

**Flood Control Project Maintenance
Levee Inspections**

Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

NA0001	Overall LMA Rating	Total LMA Miles						
American River Flood Control District	A	34.47						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.05		0.05	0.15%	0.73	0.38		
Encroachments					1.07	3.34		
Animal Control	0.02		0.02	0.06%				
Slope Stability	0.08		0.08	0.23%				
<i>Supplemental</i>								
2015 USACE Erosion Survey, DRAFT	0.04		0.04	0.12%				
DWR UCIP Field Study					0.96	0.07		
<i>LMA Totals:</i>	0.19	0.00	0.19	0.55%	2.76	3.79	0.00	0.00
Unit No. 01 Arcade Creek LB	Overall Unit Rating	Total Unit Miles						
NA0001	A	2.08						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.01		0.01	0.48%	0.04	0.03		
Encroachments					0.30	0.27		
Slope Stability	0.04		0.04	1.92%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.09	0.02		
<i>Unit Totals:</i>	0.05	0.00	0.05	2.40%	0.43	0.32	0.00	0.00
Unit No. 02 Natomas E Canal LB	Overall Unit Rating	Total Unit Miles						
NA0001	A	3.93						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					0.02			
Animal Control	0.01		0.01	0.25%				
Slope Stability	0.03		0.03	0.76%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.11	0.01		
<i>Unit Totals:</i>	0.04	0.00	0.04	1.02%	0.13	0.01	0.00	0.00
Unit No. 03 American River RB	Overall Unit Rating	Total Unit Miles						
NA0001	A	2.86						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					0.01			
<i>Supplemental</i>								
DWR UCIP Field Study					0.09			
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.10	0.00	0.00	0.00

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Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin (cont.)

Unit No. 04 American River LB	Overall Unit Rating	Total Unit Miles						
NA0001	A	10.86						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.04		0.04	0.37%	0.58	0.20		
Encroachments					0.32	1.50		
Animal Control	0.01		0.01	0.09%				
<i>Supplemental</i>								
2015 USACE Erosion Survey, DRAFT	0.04		0.04	0.37%				
DWR UCIP Field Study					0.26	0.02		
<i>Unit Totals:</i>	0.09	0.00	0.09	0.83%	1.16	1.72	0.00	0.00

Unit No. 05 Sacramento River LB	Overall Unit Rating	Total Unit Miles						
NA0001	A	0.41						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation					0.08	0.07		
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.08	0.07	0.00	0.00

Unit No. 06 Linda Creek LB	Overall Unit Rating	Total Unit Miles						
NA0001	A	1.30						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Supplemental</i>								
DWR UCIP Field Study					0.02			
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.02	0.00	0.00	0.00

Unit No. 07 Arcade Creek RB	Overall Unit Rating	Total Unit Miles						
NA0001	A	1.93						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation					0.01	0.05		
Encroachments					0.04	0.19		
Slope Stability	0.01		0.01	0.52%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.03	0.02		
<i>Unit Totals:</i>	0.01	0.00	0.01	0.52%	0.08	0.26	0.00	0.00

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Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin (cont.)

Unit No. 08 Magpie Creek Diversion LB	Overall Unit Rating	Total Unit Miles							
NA0001	A	1.44							
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Vegetation						0.03			
Encroachments					0.36	0.54			
<i>Supplemental</i>									
DWR UCIP Field Study					0.02				
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.38	0.57	0.00	0.00	

Unit No. 09 American River RB	Overall Unit Rating	Total Unit Miles							
NA0001	A	4.20							
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Vegetation					0.01				
Encroachments						0.22			
<i>Supplemental</i>									
DWR UCIP Field Study					0.12				
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.13	0.22	0.00	0.00	

Unit No. 10 American River RB	Overall Unit Rating	Total Unit Miles							
NA0001	A	3.90							
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Encroachments					0.01	0.62			
<i>Supplemental</i>									
DWR UCIP Field Study					0.15				
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.16	0.62	0.00	0.00	

Unit No. 11 New Linda Creek LB	Overall Unit Rating	Total Unit Miles							
NA0001	A	0.73							
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Supplemental</i>									
DWR UCIP Field Study					0.04				
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.04	0.00	0.00	0.00	

**Flood Control Project Maintenance
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Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin (cont.)

Unit No. 12 American River LB	Overall Unit Rating	Total Unit Miles							
	A	0.84							
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
Earthen Levee									
Vegetation					0.01				
Encroachments					0.01				
Supplemental									
DWR UCIP Field Study					0.03				
Unit Totals:	0.00	0.00	0.00	0.00%	0.05	0.00	0.00	0.00	

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2016 Levee Inspection Results

American River Flood Control District

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			A	

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2016 Levee Inspection Results

American River Flood Control District

Waterway			Bank	Unit Miles
Unit No. 01 Arcade Creek			Left	2.08
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	3/2/2016 - 3/2/2016		10/21/2016 - 10/21/2016	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By	Richard Marck ARFCD		Richard Marck ARFCD	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.08	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start		Rating **	A	Issue No.	2
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_NA0001_01_s_2013_2				
Comment Code					
Inspector Comment					
The LMA has current flood fight training and a written emergency plan.					

No Photos

LM Start		Rating **	A	Issue No.	24
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_NA0001_01_s_2013_24				
Comment Code					
Inspector Comment					
The LMA has flood fight supplies stored at various locations throughout the district.					

No Photos

LM Start		Rating **	A	Issue No.	25
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_NA0001_01_s_2013_25				
Comment Code					
Inspector Comment					
The LMA has a copy of the O&M Manual available at the office.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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American River Flood Control District

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.08	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	0.48	Rating **	A/W	Issue No.	164 (cont)	
LM End	0.48	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.623227 °		38.623227 °
				-121.460399 °		-121.460399 °
DWR ID	DWR_NA0001_01_s_2012_164					
Comment Code						
E1 : Note and monitor erosion site.						
Inspector Comment						
4'-5' diameter by 1' deep hole mid-slope on the landside.						

Photo 2 of 2 : FA_2016_NA0001_51_164_20160914_00052.jpg



11/17/2011 Hole/depression approximately mid-slope.

LM Start	0.66	Rating **	M	Issue No.	186
LM End	0.66	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.623668 °	38.623668 °
				-121.457156 °	-121.457156 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31169 DS_ID:24800 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to coordinate with the City of Sacramento to determine if structure (assumed indicated by green/orange symbol) crosses levee or symbol is referencing bridge. FIELD_STRUCT_DESC: Indicator of crossing found on waterward side edge. Symbol for Flood Control Structure (green/orange circle) was found during field inspection 12/19/13, symbol matches flood control structures that the City of Sacramento inspects. FS Date: 12/19/2013					

Photo 1 of 1 : UCIP_FA_2016_31169_57044.jpg



Indicator of crossing found on waterward side edge. Symbol is a Flood Control Structure (green/orange circle).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.08	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	0.66	Rating **	U	Issue No.	193
LM End	0.66	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.623667 °	38.623667 °
				-121.457134 °	-121.457134 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:49930
DS_ID:24266
EP_NO: 3417
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 8/11/2016 Markers still missing. LMA representatives, Tim Kerr and Richard Marck, provided permit for 4-inch PG&E gasline to be raised to 200-year water surface elevation. Pipe will be modified on both the right and left bank. Elevation through the levee will need to be modified once pipe is raised through levee. (DWR UCIP - omagana)12/19/2013 no markers visible on waterward or landward side indicating this is a gas line--need to contact owner to determine if this crossing is gas line. (DWR UCIP - omagana)
FIELD_STRUCT_DESC: 4-inch steel gas line through the levee, 1.5 feet below the crown. Corrugated metal (CM) cutoff wall around pipe at the center of levee. Pipe hung along bridge across channel. 4-inch gate valve will be installed on the LS approximately 355 feet from levee crown (near Fairbanks Avenue and Norwood Avenue). (4-inch pipe installed under Permit No. 3417, 1961 - Pacific Gas and Electric Company [PG&E]; 4-inch pipe removed and replaced under Permit 18641, 2011 - PG&E; 4-inch pipe through levee (both right and left bank) raised above the 200-year water surface elevation under Permit No. 18641-1, 2016 - PG&E) [Additional Reference(s): DWR Levee Log, 2002]
FS Date: 8/11/2016

LM Start	0.66	Rating **	U	Issue No.	193 (cont)
LM End	0.66	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_49930_57042.jpg



View of WS--pipe suspended along downstream face of bridge.

Photo 2 of 2 : UCIP_FA_2016_49930_57041.jpg



Paint on paved levee indicates crossing could be a storm drain.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.08	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	0.74	Rating **	M	Issue No.	80
LM End	0.74	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.623887 °	38.623887 °
				-121.455735 °	-121.455735 °
DWR ID	DWR_NA0001_01_f_2015_80				
Comment Code					
FE : Fence					
Inspector Comment					
Chain-link fence on LS toe.					

No Photos

LM Start	0.75	Rating **	M	Issue No.	79
LM End	0.75	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.623929 °	38.623929 °
				-121.455568 °	-121.455568 °
DWR ID	DWR_NA0001_01_f_2015_79				
Comment Code					
FE : Fence					
Inspector Comment					
Chain-link fence on LS toe.					

No Photos

LM Start	0.76	Rating **	M	Issue No.	78
LM End	0.76	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.623975 °	38.623975 °
				-121.455394 °	-121.455394 °
DWR ID	DWR_NA0001_01_f_2015_78				
Comment Code					
FE : Fence					
Inspector Comment					
Chain-link fence on LS toe.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.08	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	0.77	Rating **	U	Issue No.	183
LM End	0.77	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.624016 °	38.624016 °
				-121.455193 °	-121.455193 °
DWR ID	DWR_NA0001_01_s_2012_183				
Comment Code					
FE : Fence					
Inspector Comment					
Dog-eared fence built within 10' of the toe					

Photo 1 of 1 : FA_2016_NA0001_51_183_20160914_00063.jpg



11/17/2011 Wooden privacy fence.

LM Start	0.95	Rating **	U	Issue No.	182
LM End	0.95	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.625072 °	38.625072 °
				-121.452225 °	-121.452225 °
DWR ID	DWR_NA0001_01_s_2012_182				
Comment Code					
FE : Fence					
Inspector Comment					
Dog-eared wooden fence built within 10' of the toe.					

Photo 1 of 1 : FA_2016_NA0001_51_182_20160914_00062.jpg



11/17/2011 Wooden privacy fence built at the levee toe.

LM Start	0.96	Rating **	M	Issue No.	77
LM End	0.96	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.625093 °	38.625093 °
				-121.452096 °	-121.452096 °
DWR ID	DWR_NA0001_01_f_2015_77				
Comment Code					
FE : Fence					
Inspector Comment					
Chain-link fence on LS toe.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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American River Flood Control District

No Photos

View of the foot path on the waterside levee slope.

View of the waterside levee slope damaged by foot traffic.

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American River Flood Control District

11/17/2011 Fence built on the levee slope.

View of the waterside levee slope erosion.

11/17/2011 Wooden privacy fence built at the levee toe.

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American River Flood Control District

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American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.08	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	1.22	Rating **	M	Issue No.	187
LM End	1.22	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.625117 °	38.625117 °
				-121.447318 °	-121.447318 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31178 DS_ID:24248 EP_NO: 14575 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Crossing is present in the layer provided by the City of Sacramento, however this crossing was not found in the field. Need to determine status of crossing. If crossing is no longer used, owner will need to coordinate with Central Valley Flood Protection Board to comply with Title 23. FIELD_STRUCT_DESC: 30-inch concrete encased steel water main through the levee, 4.5 feet below the crown. Steel cutoff wall around pipe at center of levee. (Permit No. 14575-1988) FS Date: 12/19/2013					

Photo 1 of 1 : UCIP_FA_2016_31178_57059.jpg



Alignment indicated in blue is approximate locations for pipes that cross levee. Alignment information was obtained from the City of Sacramento.

LM Start	1.25	Rating **	C	Issue No.	74
LM End	1.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.625297 °	38.625297 °
				-121.446853 °	-121.446853 °
DWR ID	DWR_NA0001_01_f_2015_74				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
LMA grouted holes.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.08	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	1.26	Rating **	U	Issue No.	18
LM End	1.26	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.625395 °	38.625395 °
				-121.446608 °	-121.446608 °
DWR ID	DWR_NA0001_01_s_ 2012_18				
Comment Code					
BU : Building					
Inspector Comment					
Cement block building within 10-ft of toe. Storage of equipment and supplies blocking visibility.					

Photo 1 of 1 : FA_2016_NA0001_51_18_20160914_00016.jpg



Fall 2009 photo: Buildings and fence near levee toe.

LM Start	1.28	Rating **	M	Issue No.	184
LM End	1.28	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.625500 °	38.625500 °
				-121.446390 °	-121.446390 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:30085 DS_ID:24576 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to confirm location--will need to coordinate with owner to determine if crossing is still active and determine location. FIELD_STRUCT_DESC: 1 of 3: 16-inch pipe through the levee, 8.0 feet below the crown. Floodgates within the levee across the channel, installed under Permit No. 14480 (1986). FS Date: 12/19/2013					

Photo 1 of 2 : UCIP_FA_2016_30085_55489.jpg



Overview of levee crown at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.08	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	1.28	Rating **	M	Issue No.	184 (cont)	
LM End	1.28	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.625500 °	38.625500 °	
				-121.446390 °	-121.446390 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:30085 DS_ID:24576 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to confirm location--will need to coordinate with owner to determine if crossing is still active and determine location. FIELD_STRUCT_DESC: 1 of 3: 16-inch pipe through the levee, 8.0 feet below the crown. Floodgates within the levee across the channel, installed under Permit No. 14480 (1986). FS Date: 12/19/2013						

Photo 2 of 2 : UCIP_FA_2016_30085_55488.jpg



Underground service alert (USA) paint markings visible on waterward slope.

LM Start	1.28	Rating **	M	Issue No.	185
LM End	1.28	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.625500 °	38.625500 °
				-121.446390 °	-121.446390 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:29732					
DS_ID:24577					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Unable to confirm location--will need to coordinate with owner to determine if crossing is still active and determine location.					
FIELD_STRUCT_DESC: 2 of 3: 6-inch pipe through the levee, 8.0 feet below the crown. Flap gate on the waterside (WS) end. Floodgates within the levee across the channel, installed under Permit No. 14480 (1986).					
FS Date: 12/19/2013					

Photo 1 of 2 : UCIP_FA_2016_29732_54976.jpg



Overview of levee crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.08	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	1.28	Rating **	M	Issue No.	185 (cont)	
LM End	1.28	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.625500 °	38.625500 °	
				-121.446390 °	-121.446390 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:29732						
DS_ID:24577						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Unable to confirm location--will need to coordinate with owner to determine if crossing is still active and determine location.						
FIELD_STRUCT_DESC: 2 of 3: 6-inch pipe through the levee, 8.0 feet below the crown. Flap gate on the waterside (WS) end. Floodgates within the levee across the channel, installed under Permit No. 14480 (1986).						
FS Date: 12/19/2013						

Photo 2 of 2 : UCIP_FA_2016_29732_54975.jpg



Underground service alert (USA) paint markers visible on waterward shoulder--unable to confirm type of crossings.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.08	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	1.28	Rating **	U	Issue No.	194
LM End	1.28	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.625509 °	38.625509 °
				-121.446311 °	-121.446311 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:49932 DS_ID:24252 EP_NO: 15152 Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: 8/11/2016 Markers still missing. Unable to confirm if line will be raised to 200-year water surface elevation at this site. (DWR UCIP - omagana)12/19/2013 Need to confirm if this crossing is gas line. Need to contact owner to determine status of crossing (active or inactive) and to determine last inspection date. Will need copy of letter showing crossings passed inspection. Missing utility markers. (DWR UCIP - omagana) FIELD_STRUCT_DESC: 4-inch steel gas main through the levee, 2.5 feet below the crown. Vent on the waterside (WS) shoulder. Unable to confirm if crossing will be raised to 200-year water surface elevation within Unit 1. (4-inch gas line installed under Permit No. 15152, 1989 - Pacific Gas & Electric Company [PG&E], 4-inch gas line raised above the 200-year water surface elevation under Permit No. 15152-1, 2016 - PG&E) [Additional Reference(s): DWR Levee Log, 2002] FS Date: 8/11/2016					

LM Start	1.28	Rating **	U	Issue No.	194 (cont)
LM End	1.28	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_49932_75855.jpg



View of levee crown where crossing should be--no markers found.

Photo 2 of 2 : UCIP_FA_2016_49932_75856.jpg



Underground service alert (USA) markings found on WS shoulder, photo 1 of 2.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.08	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	1.33	Rating **	U	Issue No.	73
LM End	1.33	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.625869 °	38.625869 °
				-121.445477 °	-121.445477 °
DWR ID	DWR_NA0001_01_f_2015_73				
Comment Code					
FE : Fence					
Inspector Comment					
Fence at LS toe.					

Photo 1 of 1 : FA_2016_NA0001_51_73_20160914_00045.jpg



View of the fence at the landside levee toe.

LM Start	1.33	Rating **	U	Issue No.	17
LM End	1.33	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.625885 °	38.625885 °
				-121.445424 °	-121.445424 °
DWR ID	DWR_NA0001_01_s_2012_17				
Comment Code					
FE : Fence					
Inspector Comment					
Wooden privacy fence					

Photo 1 of 1 : FA_2016_NA0001_51_17_20160914_00015.jpg



11/17/2011 Wooden privacy fence built at the levee toe. Levee slope is being used to support the fence.

LM Start	1.34	Rating **	N	Issue No.	26
LM End	1.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.625926 °	38.625926 °
				-121.445329 °	-121.445329 °
DWR ID	DWR_NA0001_01_f_2013_26				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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American River Flood Control District

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

American River Flood Control District

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.08	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	1.40	Rating **	U	Issue No.	13
LM End	1.40	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.626155 °	38.626155 °
				-121.444250 °	-121.444250 °
DWR ID	DWR_NA0001_01_s_2012_13				
Comment Code					
FE : Fence					
Inspector Comment					
Wooden fence with barbed wire is built within 10-ft of levee toe. 04/13/2011 Fence has blown over and now partially rests on the levee. Fall insp 2011 fence has been rebuilt in same location, within 10' of levee toe.					

Photo 1 of 1 : FA_2016_NA0001_51_13_20160914_00011.jpg



11/17/2011 New wooden privacy fence built within 15' of the levee toe.

LM Start	1.41	Rating **	N	Issue No.	72
LM End	1.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.626253°	38.626253°
				-121.444165°	-121.444165°
DWR ID	DWR_NA0001_01_f_2015_72				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	1.41	Rating **	U	Issue No.	12
LM End	1.41	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.626212 °	38.626212 °
				-121.444082 °	-121.444082 °
DWR ID	DWR_NA0001_01_s_2012_12				
Comment Code					
FE : Fence					
Inspector Comment					
Dog-eared wooden fence is built near the levee slope.					

Photo 1 of 1 : FA_2016_NA0001_51_12_20160914_00010.jpg



11/17/2011 Wooden privacy fence built within 15' of the levee toe.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.08	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	1.42	Rating **	U	Issue No.	177
LM End	1.42	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.626388 °	38.626388 °
				-121.443910 °	-121.443910 °
DWR ID	DWR_NA0001_01_s_2012_177				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Thick vegetation at the toe.					

Photo 1 of 1 : FA_2016_NA0001_51_177_20160914_00060.jpg



11/17/2011 Thick vegetation at the levee toe.

LM Start	1.42	Rating **	M	Issue No.	71
LM End	1.42	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.626388 °	38.626388 °
				-121.443905 °	-121.443905 °
DWR ID	DWR_NA0001_01_f_2015_71				
Comment Code					
FE : Fence					
Inspector Comment					
Chain-link fence at LS toe.					

No Photos

LM Start	1.44	Rating **	U	Issue No.	70
LM End	1.44	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.626589 °	38.626589 °
				-121.443640 °	-121.443640 °
DWR ID	DWR_NA0001_01_f_2015_70				
Comment Code					
FE : Fence					
Inspector Comment					
Rought iron fence at LS toe blocks access.					

Photo 1 of 1 : FA_2016_NA0001_51_70_20160914_00044.jpg



View of the fence at the landside levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.08	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	1.47	Rating **	A/W	Issue No.	176
LM End	1.47	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.626881 °	38.626881 °
				-121.443253 °	-121.443253 °
DWR ID	DWR_NA0001_01_s_2012_176				
Comment Code					
FE : Fence					
Inspector Comment					
Wooden privacy fence within 10' of the levee toe.					

Photo 1 of 1 : FA_2016_NA0001_51_176_20160914_00059.jpg



11/17/2011 Wooden privacy fence built within 15' of the levee toe.

LM Start	1.50	Rating **	M	Issue No.	69
LM End	1.50	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.627094 °	38.627094 °
				-121.442917 °	-121.442917 °
DWR ID	DWR_NA0001_01_f_2015_69				
Comment Code					
FE : Fence					
Inspector Comment					
Chain-link fence on LS toe.					

No Photos

LM Start	1.52	Rating **	N	Issue No.	56
LM End	1.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.627224 °	38.627224 °
				-121.442515 °	-121.442515 °
DWR ID	DWR_NA0001_01_s_2012_56				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
5 stumps 14 to 30 Inches in diameter.					

Photo 1 of 1 : FA_2016_NA0001_51_56_20160914_00035.jpg



Several large stumps on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.08	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	1.53	Rating **	M	Issue No.	35
LM End	1.53	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.627255 °	38.627255 °
				-121.442402 °	-121.442402 °
DWR ID	DWR_NA0001_01_s_2012_35				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Bushes and trees along chain link fence block access and visibility.					

Photo 1 of 1 : FA_2016_NA0001_51_35_20160914_00027.jpg



Fall 2009 photo:Vegetation obstructing visibility near levee slope.

LM Start	1.54	Rating **	M	Issue No.	68
LM End	1.54	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.627283 °	38.627283 °
				-121.442180 °	-121.442180 °
DWR ID	DWR_NA0001_01_f_2015_68				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Cactus planted along LS toe.					

Photo 1 of 1 : FA_2016_NA0001_51_68_20161031_00093.jpg



View of the landscaping at the landside levee toe.

LM Start	1.55	Rating **	M	Issue No.	49
LM End	1.55	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.627297 °	38.627297 °
				-121.441961 °	-121.441961 °
DWR ID	DWR_NA0001_01_f_2015_49				
Comment Code					
FE : Fence					
Inspector Comment					
Chain-link fence on LS toe.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.08	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	1.57	Rating **	M	Issue No.	192
LM End	1.57	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.627277 °	38.627277 °
				-121.441650 °	-121.441650 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:46793 DS_ID:24573 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 11/12/15 Markers have been installed on both levees--confirmed during DWR Fall Inspection. Need to coordinate with PG&E to determine permit for this crossing.12/19/13 No markers visible indicating crossing through levee. PG&E line. Need to coordinate with owner. Permit? FIELD_STRUCT_DESC: 2 of 2: 6-inch pipe through the levee, at unknown depth and goes under the channel. FS Date: 11/12/2015 1:52:00 PM					

LM Start	1.57	Rating **	M	Issue No.	192 (cont)
LM End	1.57	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_46793_74731.jpg



Markers installed on both levees in 2015.

Photo 2 of 2 : UCIP_FA_2016_46793_57072.jpg



Overview of area near crossing. Inspector is standing where crossing goes through levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.08	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	1.58	Rating **	M	Issue No.	188
LM End	1.58	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.627241 °	38.627241 °
				-121.441465 °	-121.441465 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31182 DS_ID:24255 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 1/29/14 1/29/14 approximate alignment of crossings was provided by the City of Sacramento for known crossings through levee. Unable to confirm last inspection. Also City records indicate 24-inch CMP not 15-inch--need to clarify with owner. Crossing is operational. FIELD_STRUCT_DESC: 15-inch pipe through the levee, 8.5 feet below the crown. Flap gate on the waterside (WS) end. FS Date: 12/19/2013					

Photo 1 of 2 : UCIP_FA_2016_31182_57075.jpg



Alignment in blue is an estimate of pipe alignment provided by the City of Sacramento. The symbol at LM 1.58 is field confirmed location.

LM Start	1.58	Rating **	M	Issue No.	188 (cont)
LM End	1.58	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2016_31182_57076.jpg



Overview of levee at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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American River Flood Control District

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.08	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	1.61	Rating **	N	Issue No.	31
LM End	1.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.627191 °	38.627191 °
				-121.440861 °	-121.440861 °
DWR ID	DWR_NA0001_01_f_2012_31				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0001_51_31_20160914_00025.jpg



View of large tree stump at levee toe.

LM Start	1.65	Rating **	C	Issue No.	173
LM End	1.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.627297 °	38.627297 °
				-121.440188 °	-121.440188 °
DWR ID	DWR_NA0001_01_f_2015_173				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
LMA removed stump.					

No Photos

LM Start	1.69	Rating **	A/W	Issue No.	65
LM End	1.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.627585 °	38.627585 °
				-121.439561 °	-121.439561 °
DWR ID	DWR_NA0001_01_f_2015_65				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
LMA grouted this area.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.08	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	1.69	Rating **	M	Issue No.	48
LM End	1.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.627594 °	38.627594 °
				-121.439540 °	-121.439540 °
DWR ID	DWR_NA0001_01_s_2014_48				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Tree obstructing visibility and access.					

Photo 1 of 1 : FA_2016_NA0001_51_48_20160914_00031.jpg



View of the overgrown tree at the landside levee toe.

LM Start	1.69	Rating **	M	Issue No.	62
LM End	1.69	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.627630 °	38.627630 °
				-121.439458 °	-121.439458 °
DWR ID	DWR_NA0001_01_f_2015_62				
Comment Code					
FE : Fence					
Inspector Comment					
Fence at landside levee toe.					

No Photos

LM Start	1.74	Rating **	A/W	Issue No.	84
LM End	1.74	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.627846 °	38.627846 °
				-121.438641 °	-121.438641 °
DWR ID	DWR_NA0001_01_s_2016_84				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
The LMA is making plans to repair this site soon. Erosion has not progressed as of Fall 2016.					

Photo 1 of 1 : FA_2016_NA0001_51_84_20160914_00050.jpg



View of the erosion on the waterside levee berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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American River Flood Control District

American River Flood Control District

No Photos

11/17/2011 Wooden structure is built within 15' of the levee toe.

View of the fence at the landside levee toe.

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American River Flood Control District

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.08	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	1.86	Rating **	M	Issue No.	61
LM End	1.86	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.627885 °	38.627885 °
				-121.436423 °	-121.436423 °
DWR ID	DWR_NA0001_01_f_2015_61				
Comment Code					
FE : Fence					
Inspector Comment					
Fence at landside levee toe.					

Photo 1 of 1 : FA_2016_NA0001_51_61_20160914_00040.jpg



View of the fence at the landside levee toe.

LM Start	1.88	Rating **	M	Issue No.	59
LM End	1.88	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.627871 °	38.627871 °
				-121.436191 °	-121.436191 °
DWR ID	DWR_NA0001_01_f_2015_59				
Comment Code					
FE : Fence					
Inspector Comment					
Fence at landside levee toe.					

Photo 1 of 1 : FA_2016_NA0001_51_59_20160914_00038.jpg



View of the fence at the landside levee toe.

LM Start	1.88	Rating **	M	Issue No.	58
LM End	1.88	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.627860 °	38.627860 °
				-121.436098 °	-121.436098 °
DWR ID	DWR_NA0001_01_f_2015_58				
Comment Code					
PO : Pole					
Inspector Comment					
Pole at the landside levee toe with guy wire penetrating the landside levee slope.					

Photo 1 of 1 : FA_2016_NA0001_51_58_20160914_00037.jpg



View of the pole at the landside levee toe.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

American River Flood Control District

View of the fence at the landside levee toe.

11/17/2011 Wooden privacy fence built at the levee toe.

11/17/2011 Wooden privacy fence built at the levee toe.

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American River Flood Control District

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.08	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	1.95	Rating **	M	Issue No.	191
LM End	1.95	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.627568 °	38.627568 °
				-121.434815 °	-121.434815 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41549					
DS_ID:24259					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 1/29/14 approximate alignment of crossings was provided by the City of Sacramento for known crossings through levee. Unable to confirm last inspection. Also City records indicate 10-inch not 15-inch--need to clarify with owner. Crossing is operational.					
FIELD_STRUCT_DESC: 15-inch pipe through the levee, 8.5 feet below the crown. Flap gate on the waterside (WS) end.					
FS Date: 12/19/2013					

LM Start	1.95	Rating **	M	Issue No.	191 (cont)
LM End	1.95	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_41549_57087.jpg



View of waterward side--concrete vault and u-shape concrete headwall with debris screen.

Photo 2 of 2 : UCIP_FA_2016_41549_57086.jpg



View of floodwall along waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.08	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	1.98	Rating **	U	Issue No.	167
LM End	1.98	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.627433 °	38.627433 °
				-121.434341 °	-121.434341 °
DWR ID	DWR_NA0001_01_s_2012_167				
Comment Code					
FE : Fence					
Inspector Comment					
Wooden privacy fence within 10' of the levee toe.					

Photo 1 of 1 : FA_2016_NA0001_51_167_20160914_00053.jpg



11/17/2011 Wooden privacy fence built at the levee toe.

LM Start	1.99	Rating **	M	Issue No.	55
LM End	1.99	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.627400 °	38.627400 °
				-121.434193 °	-121.434193 °
DWR ID	DWR_NA0001_01_f_2015_55				
Comment Code					
FE : Fence					
Inspector Comment					
Fence at landside levee toe.					

No Photos

LM Start	1.99	Rating **	M	Issue No.	1
LM End	1.99	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.627318 °	38.627318 °
				-121.434208 °	-121.434208 °
DWR ID	DWR_NA0001_01_s_2012_1				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Vine growing on fence and slope blocks visibility.					

Photo 1 of 1 : FA_2016_NA0001_51_1_20160914_00001.jpg



View of the fence and landscaping at the landside levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.08	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	2.02	Rating **	U	Issue No.	29
LM End	2.02	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.627292 °	38.627292 °
				-121.433709 °	-121.433709 °
DWR ID	DWR_NA0001_01_s_2012_29				
Comment Code					
BU : Building					
Inspector Comment					
Two-story home foundation is within 10-ft of levee toe. Chain link fence is built on levee toe.					

Photo 1 of 1 : FA_2016_NA0001_51_29_20161031_00092.jpg



Building foundation is within 15' of the levee toe.

LM Start	2.04	Rating **	U	Issue No.	28
LM End	2.04	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.627257 °	38.627257 °
				-121.433327 °	-121.433327 °
DWR ID	DWR_NA0001_01_s_2012_28				
Comment Code					
BU : Building					
Inspector Comment					
Large wooden building behind corrugated metal covered fence is within 10-ft of levee toe.					

Photo 1 of 1 : FA_2016_NA0001_51_28_20160914_00022.jpg



11/17/2011 Wooden structure is within 15' of the levee toe.

LM Start	2.04	Rating **	M	Issue No.	53
LM End	2.04	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.627266 °	38.627266 °
				-121.433267 °	-121.433267 °
DWR ID	DWR_NA0001_01_f_2015_53				
Comment Code					
FE : Fence					
Inspector Comment					
Fence at landside levee toe.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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American River Flood Control District

11/17/2011 Wooden structure is within 15' of the levee toe.

No Photos

View of the prunings at the landside levee toe.

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.08	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	2.06	Rating **	M	Issue No.	51
LM End	2.06	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.627251 °	38.627251 °
				-121.432843 °	-121.432843 °
DWR ID	DWR_NA0001_01_f_2015_51				
Comment Code					
FE : Fence					
Inspector Comment					
Fence at landside levee toe.					

Photo 1 of 1 : FA_2016_NA0001_51_51_20160914_00033.jpg



View of the fence at the landside levee toe.

LM Start	2.07	Rating **	M	Issue No.	46
LM End	2.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.627246 °	38.627246 °
				-121.432673 °	-121.432673 °
DWR ID	DWR_NA0001_01_f_2015_46				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
LMA will fix this site after the levee improvement project is completed.					

Photo 1 of 1 : FA_2016_NA0001_51_46_20160914_00029.jpg



View of the damaged landside levee slope.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.08	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	2.08	Rating **	M	Issue No.	189
LM End	2.08	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.627239 °	38.627239 °
				-121.432501 °	-121.432501 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31185 DS_ID:24420 EP_NO: 13044 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Orange/Green symbol for flood structure found on floodwall. No crossing found. Need to determine if crossing is in use. This crossing is not shown in the City of Sacramento's sewer drain mains or water mains. Need to contact owner to determine if crossing is still in use. FIELD_STRUCT_DESC: 12-inch steel water main through the levee, 4.0 feet below the crown. (Permit No. 13044-1981) FS Date: 12/19/2013					

LM Start	2.08	Rating **	M	Issue No.	189 (cont)
LM End	2.08	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_31185_57091.jpg



Overview markers located on bridge and floodwall indicating crossing through levee.

Photo 2 of 2 : UCIP_FA_2016_31185_57090.jpg



Markers visible of crossing on bridge.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.08	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	2.08	Rating **	M	Issue No.	190
LM End	2.08	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.627242 °	38.627242 °
				-121.432469 °	-121.432469 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:31424
DS_ID:24797
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: no permit--need to determine additional information and owner of crossings.
FIELD_STRUCT_DESC: 1-4 inch conduit and 1-2 inch communication cable through levee. Conduits are suspended through waterway and attached to downstream face of bridge.
FS Date: 12/19/2013

LM Start	2.08	Rating **	M	Issue No.	190 (cont)
LM End	2.08	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_31424_57481.jpg



View of waterward side--conduits visible on bridge face.

Photo 2 of 2 : UCIP_FA_2016_31424_57480.jpg



Service box located on sidewalk unable to determine if box belongs to conduits.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2016 Levee Inspection Results

American River Flood Control District

Waterway			Bank	Unit Miles
Unit No. 02 Natomas E Canal			Left	3.93
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	2/29/2016 - 3/2/2016		10/21/2016 - 10/21/2016	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By	Richard Marck ARFCD		Richard Marck ARFCD	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

American River Flood Control District

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Natomas E Canal	Left	3.93	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	0.36	Rating **	M	Issue No.	153
LM End	0.36	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.606204 °	38.606204 °
				-121.467817 °	-121.467817 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31443					
DS_ID:24798					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: no permit (unauthorize crossing)--need to determine additional information about crossing. Unable to determine if pipe crosses levee.					
FIELD_STRUCT_DESC: 4-inch HDPE pipe through levee at unknown depth.					
FS Date: 12/6/2013					

Photo 1 of 2 : UCIP_FA_2016_31443_57484.jpg



View of waterward slope.

LM Start	0.36	Rating **	M	Issue No.	153 (cont)
LM End	0.36	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP_FA_2016_31443_57483.jpg



View of pipe through levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Natomas E Canal	Left	3.93	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	0.55	Rating **	M	Issue No.	161
LM End	0.55	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.608870 °	38.608870 °
				-121.466856 °	-121.466856 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:49533
DS_ID:24274
EP_NO: 6064
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 08/29/2016 Facility details confirmed by the City of Sacramento only one 36-inch WSP goes through levee at this location. Ownership in the CVFPB records still shows ARFCD. Efforts to update CVFPB records are in-progress, owner of this facility is the City of Sacramento. Need to coordinate with ARFCD and City of Sacramento to determine the fate of Pump Station 3. (DWR UCIP - Olivia M)12/19/2013 Need to determine the status of crossing. Unable to confirm if crossing found in field corresponds to this entry.
FIELD_STRUCT_DESC: [Sump No. 153] 36-inch welded steel drainage pipe (WSP) with 15/32-inch wall thickness through the levee, 5.2 feet below the crown. Corrugated metal (CM) cutoff wall around pipe between center and waterside (WS) shoulder. Siphon breaker in concrete box on WS slope. 36-inch pipe connects, past LS toe, through header 2-30 inch WSP and 1-12 inch WSP at this facility. Pump station located on landside (LS). Concrete "U" headwall and flap gate are located on the WS end. Rock revetment on WS slope. On March 28, 1995, the Sacramento City Council adopted Resolution No. 95-123 authorizing the execution of Agreement No. 95-065 regarding the transfer of drainage facilities that include Pump Station 3 as described by ARFCD and described by the City of Sacramento as Sump 153. Pump Station 3 was replaced by Sump 3. (Sump 153 installed under Permit No. 6064 and 6064-A, 1968 - American River Flood Control District [ARFCD]) [Additional Reference (s): DWR Levee Log, 2002, City of Sacramento D 151-159_CC1995-95-062_Transfer of Drainage Sumps to City from ARFCD, and City of Sacramento Sump 153 Plan and Profile]
FS Date: 12/19/2013

Photo 1 of 2 : UCIP_FA_2016_49533_55042.jpg



View of landward side--pump station with multiple pumps.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Natomas E Canal	Left	3.93	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	0.55	Rating **	M	Issue No.	161 (cont)
LM End	0.55	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.608870 °	38.608870 °
				-121.466856 °	-121.466856 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:49533
DS_ID:24274
EP_NO: 6064
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 08/29/2016 Facility details confirmed by the City of Sacramento only one 36-inch WSP goes through levee at this location. Ownership in the CVFPB records still shows ARFCD. Efforts to update CVFPB records are in-progress, owner of this facility is the City of Sacramento. Need to coordinate with ARFCD and City of Sacramento to determine the fate of Pump Station 3. (DWR UCIP - Olivia M)12/19/2013 Need to determine the status of crossing. Unable to confirm if crossing found in field corresponds to this entry.
FIELD_STRUCT_DESC: [Sump No. 153] 36-inch welded steel drainage pipe (WSP) with 15/32-inch wall thickness through the levee, 5.2 feet below the crown. Corrugated metal (CM) cutoff wall around pipe between center and waterside (WS) shoulder. Siphon breaker in concrete box on WS slope. 36-inch pipe connects, past LS toe, through header 2-30 inch WSP and 1-12 inch WSP at this facility. Pump station located on landside (LS). Concrete "U" headwall and flap gate are located on the WS end. Rock revetment on WS slope. On March 28, 1995, the Sacramento City Council adopted Resolution No. 95-123 authorizing the execution of Agreement No. 95-065 regarding the transfer of drainage facilities that include Pump Station 3 as described by ARFCD and described by the City of Sacramento as Sump 153. Pump Station 3 was replaced by Sump 3. (Sump 153 installed under Permit No. 6064 and 6064-A, 1968 - American River Flood Control District [ARFCD]) [Additional Reference (s): DWR Levee Log, 2002, City of Sacramento D 151-159_CC1995-95-062_Transfer of Drainage Sumps to City from ARFCD, and City of Sacramento Sump 153 Plan and Profile]
FS Date: 12/19/2013

Photo 2 of 2 : UCIP_FA_2016_49533_55041.jpg



Vault located on levee crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Natomas E Canal	Left	3.93	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	0.55	Rating **	M	Issue No.	160
LM End	0.55	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.608763 °	38.608763 °
				-121.466885 °	-121.466885 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:49532

DS_ID:24612

EP_NO: N/A

Repair Type: Non-Urgent

Crossing Status: Not Found

UCIP Comments: 08/29/2016 Facility details confirmed by the City of Sacramento. This crossing was an existing pipe that was mentioned in Permit No. 6064 and 6064-A under the following conditions: Thirteen:

"that the existing 36-inch diameter corrugated metal pipe shall be allowed to remain in place for a period of 10 years, (until May 1978), at which time if the old pumping plant has not been used the pipe through the levee shall be removed by the applicant." and Fifteen: "That the existing 36-inch pipe shall be properly capped or sealed on both ends. Need to coordinate with the City of Sacramento and ARFCD to determine the fate of this crossing. Application No. 6064 references U.S. Corps of Engineers Stat. 217+00 as Pump Plant No. 3.12/19/2013 Multiple pumps visible on landward side however unable to confirm additional crossings. Only 1 crossing was found at this location.

FIELD_STRUCT_DESC: [Pump Station 3] 24-inch corrugated metal drainage pipe sleeved through existing 30-inch corrugated metal pipe (CMP) through the levee, annular gap grouted. (unknown year 24-inch was sleeved) 30-inch steel pipe sleeved through 36-inch CM pipe through the levee, 23.8 feet below the crown. (unknown year 30-inch was sleeved) Annular gap grouted. A gate structure and slide gate are located on the pipe in the waterside (WS) slope of the levee. Siphon breaker in concrete box on the WS slope. Pump on structure over concrete box on the landside (LS). Previously known as Pump Station 3/Pump Plant No. 3 by American River Flood Control District. This crossing is approximately 40 feet downstream from what is now referred to as Sump 153 by the City of Sacramento. (facility was authorized to remain under Permit No. 6064 and 6064-A, 1968 - American River Flood Control District [ARFCD]) [Additional Reference(s): DWR Levee Log, 2002, City of Sacramento D 151-159_CC1995-95-062_Transfer of Drainage Sumps to City from ARFCD, and City of Sacramento Sump 153 Plan and Profile] [Additional Reference(s): DWR Levee Log, 2002, city of Sacramento D 151-159_CC1995-95-062_Transfer of Drainage Sumps to City from ARFCD, and City of Sacramento Sump 153 Plan and Profile, and USACE Sacramento O&M Manual Unit 118 Part 2, October 1959, (Station 216+00)].

FS Date: 12/19/2013

Photo 1 of 2 : UCIP_FA_2016_49532_75580.jpg



Approx. location of USACE O&M original 36-inch located 40 feet downstream from Sump 153.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Natomas E Canal	Left	3.93	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	0.55	Rating **	M	Issue No.	160 (cont)
LM End	0.55	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.608763 °	38.608763 °
				-121.466885 °	-121.466885 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:49532

DS_ID:24612

EP_NO: N/A

Repair Type: Non-Urgent

Crossing Status: Not Found

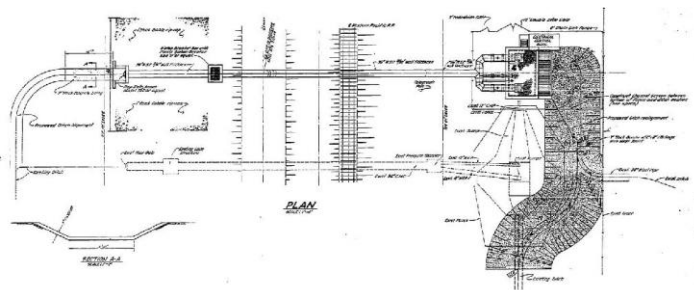
UCIP Comments: 08/29/2016 Facility details confirmed by the City of Sacramento. This crossing was an existing pipe that was mentioned in Permit No. 6064 and 6064-A under the following conditions: Thirteen:

"that the existing 36-inch diameter corrugated metal pipe shall be allowed to remain in place for a period of 10 years, (until May 1978), at which time if the old pumping plant has not been used the pipe through the levee shall be removed by the applicant." and Fifteen: "That the existing 36-inch pipe shall be properly capped or sealed on both ends. Need to coordinate with the City of Sacramento and ARFCD to determine the fate of this crossing. Application No. 6064 references U.S. Corps of Engineers Stat. 217+00 as Pump Plant No. 3.12/19/2013 Multiple pumps visible on landward side however unable to confirm additional crossings. Only 1 crossing was found at this location.

FIELD_STRUCT_DESC: [Pump Station 3] 24-inch corrugated metal drainage pipe sleeved through existing 30-inch corrugated metal pipe (CMP) through the levee, annular gap grouted. (unknown year 24-inch was sleeved) 30-inch steel pipe sleeved through 36-inch CM pipe through the levee, 23.8 feet below the crown. (unknown year 30-inch was sleeved) Annular gap grouted. A gate structure and slide gate are located on the pipe in the waterside (WS) slope of the levee. Siphon breaker in concrete box on the WS slope. Pump on structure over concrete box on the landside (LS). Previously known as Pump Station 3/Pump Plant No. 3 by American River Flood Control District. This crossing is approximately 40 feet downstream from what is now referred to as Sump 153 by the City of Sacramento. (facility was authorized to remain under Permit No. 6064 and 6064-A, 1968 - American River Flood Control District [ARFCD]) [Additional Reference(s): DWR Levee Log, 2002, City of Sacramento D 151-159_CC1995-95-062_Transfer of Drainage Sumps to City from ARFCD, and City of Sacramento Sump 153 Plan and Profile] [Additional Reference(s): DWR Levee Log, 2002, city of Sacramento D 151-159_CC1995-95-062_Transfer of Drainage Sumps to City from ARFCD, and City of Sacramento Sump 153 Plan and Profile, and USACE Sacramento O&M Manual Unit 118 Part 2, October 1959, (Station 216+00)].

FS Date: 12/19/2013

Photo 2 of 2 : UCIP_FA_2016_49532_75578.jpg



Sump 153 Plan and Profile, existing Pump Plant No. 3 referenced.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Natomas E Canal	Left	3.93	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	0.73	Rating **	M	Issue No.	24
LM End	0.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.611529 °	38.611529 °
				-121.466801 °	-121.466801 °
DWR ID	DWR_NA0001_02_s_2016_24				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Rodents still active in this area.					

Photo 1 of 1 : FA_2016_NA0001_52_24_20161031_00048.jpg



View of the rodent holes in the waterside levee slope.

LM Start	1.02	Rating **	M	Issue No.	155
LM End	1.02	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.615697 °	38.615697 °
				-121.466952 °	-121.466952 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:42132 DS_ID:24613 EP_NO: 2347 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 11/3/2014 (DWR-Olivia) Need to contact owner to determine status of crossing. Priority under Part IX has been changed from Urgent to Non-Urgent as a measure to normalize the data. Markers present however unable to confirm pipe size. Recommend LMA to contact owner to determine additional information details--confirm pipe size, alignment, and last inspection completed confirming integrity of crossing.Need to contact owner to determine status of crossing. Unable to confirm if indicators visible on levee crown and landward side correspond to this crossing. FIELD_STRUCT_DESC: 6-inch gas line through the levee, 2.5 feet below the crown. For emergencies contact PG&E at 1-800-811-411. (Permit No. 2347-1957) FS Date: 12/19/2013					

Photo 1 of 2 : UCIP_FA_2016_42132_55451.jpg



Overview of levee crown with utility gas markers on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Natomas E Canal	Left	3.93	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	1.02	Rating **	M	Issue No.	155 (cont)
LM End	1.02	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.615697 °	38.615697 °
				-121.466952 °	-121.466952 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:42132 DS_ID:24613 EP_NO: 2347 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 11/3/2014 (DWR-Olivia) Need to contact owner to determine status of crossing. Priority under Part IX has been changed from Urgent to Non-Urgent as a measure to normalize the data. Markers present however unable to confirm pipe size. Recommend LMA to contact owner to determine additional information details--confirm pipe size, alignment, and last inspection completed confirming integrity of crossing.Need to contact owner to determine status of crossing. Unable to confirm if indicators visible on levee crown and landward side correspond to this crossing. FIELD_STRUCT_DESC: 6-inch gas line through the levee, 2.5 feet below the crown. For emergencies contact PG&E at 1-800-811-411. (Permit No. 2347-1957) FS Date: 12/19/2013					

Photo 2 of 2 : UCIP_FA_2016_42132_55453.jpg



Contact information for owner--sign visible on waterward side slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Natomas E Canal	Left	3.93	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	1.03	Rating **	M	Issue No.	156
LM End	1.03	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.615760 °	38.615760 °
				-121.466950 °	-121.466950 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:42130
DS_ID:24277
EP_NO: 2333
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: 11/3/2014 (DWR-Olivia) Need to contact owner to determine status of crossing. Priority under Part IX has been changed from Urgent to Non-Urgent as a measure to normalize the data. Markers present however unable to confirm pipe size. Recommend LMA to contact owner to determine additional information details--confirm pipe size, alignment, and last inspection completed confirming integrity of crossing. Need to contact owner to determine status of crossing. Unable to confirm if indicators visible on levee crown and landward side correspond to this crossing.
FIELD_STRUCT_DESC: 12-inch gas line through the levee, 3.0 feet below the crown. For emergencies contact PG&E at 1-800-811-4111. (Permit No. 2333-1957)
FS Date: 12/19/2013

LM Start	1.03	Rating **	M	Issue No.	156 (cont)
LM End	1.03	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_FA_2016_42130_52766.jpg



Overview of levee crown at crossings.

Photo 2 of 2 : UCIP_FA_2016_42130_52768.jpg



Marker with emergency contact information located on waterward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Natomas E Canal	Left	3.93	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	1.03	Rating **	M	Issue No.	151
LM End	1.03	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.615772 °	38.615772 °
				-121.466971 °	-121.466971 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:28666 DS_ID:24614 EP_NO: 1949 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine if pipe was left inside levee as part of abandonment process. FIELD_STRUCT_DESC: *Abandoned* 12-inch steel gas line through the levee, 3.0 feet below the crown. Pipe grout filled. Concrete cutoff wall around pipe under center of levee. (Permit No. 1450-1949) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 243+31). Pipe abandoned under Permit No. 17468 (2004). FS Date: 12/19/2013					

LM Start	1.03	Rating **	M	Issue No.	151 (cont)
LM End	1.03	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_FA_2016_28666_52778.jpg



Overview of levee crown at crossings.

Photo 2 of 2 : UCIP_FA_2016_28666_52780.jpg



Marker with emergency contact information located on waterward slope.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Natomas E Canal	Left	3.93	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	1.04	Rating **	M	Issue No.	154
LM End	1.04	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.615895 °	38.615895 °
				-121.466991 °	-121.466991 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:42131
DS_ID:24280
EP_NO: 17468
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: 11/3/2014 (DWR-Olivia) Need to contact owner to determine status of crossing. Priority under Part IX has been changed from Urgent to Non-Urgent as a measure to normalize the data. Markers present however unable to confirm pipe size. Recommend LMA to contact owner to determine additional information details--confirm pipe size, alignment, and last inspection completed confirming integrity of crossing. Need to contact owner to determine status of crossing. Unable to confirm if indicators visible on levee crown and landward side correspond to this crossing.
FIELD_STRUCT_DESC: 20-inch steel gas pipe through the levee, approximately 86.0 feet below the crown. For emergencies contact PG&E at 1-800-811-4111. (Permit No. 17468-2004)
FS Date: 12/19/2013

LM Start	1.04	Rating **	M	Issue No.	154 (cont)
LM End	1.04	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_FA_2016_42131_52772.jpg



Overview of levee crown looking downstream at signs of crossings.

Photo 2 of 2 : UCIP_FA_2016_42131_52774.jpg



Marker visible on waterward slope.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Natomas E Canal	Left	3.93	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	1.40	Rating **	M	Issue No.	26
LM End	1.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.621054 °	38.621054 °
				-121.468008 °	-121.468008 °
DWR ID	DWR_NA0001_02_f_2015_26				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0001_52_26_20160914_00006.jpg



View of the damaged landside levee slope.

LM Start	1.96	Rating **	M	Issue No.	152
LM End	1.96	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.629129 °	38.629129 °
				-121.469556 °	-121.469556 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:28667 DS_ID:24481 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Only found concrete box located on landward side toe. Need to contact owner to determine if crossing goes through levee and to notify that concrete box is filled with debris. FIELD_STRUCT_DESC: 12-inch CM railroad drainpipe through the levee at unknown depth. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 302+00). FS Date: 12/20/2013					

Photo 1 of 2 : UCIP_FA_2016_28667_52785.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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American River Flood Control District

View of the landside levee slope damaged by foot traffic.

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Natomas E Canal	Left	3.93	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	2.33	Rating **	A/W	Issue No.	150
LM End	2.33	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.634446 °	38.634446 °
				-121.470573 °	-121.470573 °
DWR ID	DWR_NA0001_02_s_2012_150				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Monitor erosion at this location. Also noted in USACE PI.					

Photo 1 of 2 : FA_2016_NA0001_52_150_20160914_00009.jpg



03/14/2012 Photo shows depression, the issue has not gotten any worse since the fall 2011 inspection.

LM Start	2.33	Rating **	A/W	Issue No.	150 (cont)
LM End	2.33	Issue Type +	Ob	Location *	LS

Photo 2 of 2 : FA_2016_NA0001_52_150_20160914_00010.jpg



11/16/2011 Depressions present on levee slope.

LM Start	2.52	Rating **	M	Issue No.	11
LM End	2.52	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.637177 °	38.637177 °
				-121.471076 °	-121.471076 °
DWR ID	DWR_NA0001_02_f_2013_11				
Comment Code					
MA : Material					
Inspector Comment					
Railroad rails on landside levee slope.					

Photo 1 of 1 : FA_2016_NA0001_52_11_20160914_00003.jpg



View of the rails at the landside levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Natomas E Canal	Left	3.93	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	2.59	Rating **	M	Issue No.	27
LM End	2.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.638109 °	38.638109 °
				-121.471254 °	-121.471254 °
DWR ID	DWR_NA0001_02_f_2016_27				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0001_52_27_20161031_00047.jpg



View of the foot path on the landside levee slope.

LM Start	2.79	Rating **	M	Issue No.	157
LM End	2.79	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.640988 °	38.640988 °
				-121.471797 °	-121.471797 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:49862 DS_ID:24608 EP_NO: 9596 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Dense vegetation on waterward side limits inspector's inspection. Recommend removing vegetation. FIELD_STRUCT_DESC: [Sump No. 157] 1 of 3: 54-inch steel drainage pipe through the levee, 3 feet below the crown. Steel cutoff wall around pipe under center of levee. Siphon breaker in protective housing located on the waterside (WS) shoulder. Concrete headwall and flap gate located on the WS end. Trench on WS. Pumping plant located on the landside (LS). On March 28, 1995, the Sacramento City Council adopted Resolution No. 95-123 authorizing the execution of Agreement No. 95-065 regarding the transfer of drainage facilities that include Pump Station 7 as described by ARFCD and described by the City of Sacramento as Sump 157. (three 54-inch pipes installed in the siphon breaker structure but only one pipe installed through levee under Permit No. 9596, 9596-A, and 1975 - American River Flood Control District; second pipe installed through levee under Permit No. 9596-B, 1980 - American River Flood Control District; name change completed under Permit 9596-1 (includes work authorized under Permit No. 9596, 9596-A, and 9596-B), 2016 - City of Sacramento) [Additional Reference(s): DWR Levee Log, 2002] FS Date: 12/20/2013					

Photo 1 of 2 : UCIP_FA_2016_49862_52893.jpg



Overview of levee crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Natomas E Canal	Left	3.93	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	2.79	Rating **	M	Issue No.	157 (cont)
LM End	2.79	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.640988 °	38.640988 °
				-121.471797 °	-121.471797 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:49862
DS_ID:24608
EP_NO: 9596
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: Dense vegetation on waterward side limits inspector's inspection. Recommend removing vegetation.
FIELD_STRUCT_DESC: [Sump No. 157] 1 of 3: 54-inch steel drainage pipe through the levee, 3 feet below the crown. Steel cutoff wall around pipe under center of levee. Siphon breaker in protective housing located on the waterside (WS) shoulder. Concrete headwall and flap gate located on the WS end. Trench on WS. Pumping plant located on the landside (LS). On March 28, 1995, the Sacramento City Council adopted Resolution No. 95-123 authorizing the execution of Agreement No. 95-065 regarding the transfer of drainage facilities that include Pump Station 7 as described by ARFCD and described by the City of Sacramento as Sump 157. (three 54-inch pipes installed in the siphon breaker structure but only one pipe installed through levee under Permit No. 9596, 9596-A, and 1975 - American River Flood Control District; second pipe installed through levee under Permit No. 9596-B, 1980 - American River Flood Control District; name change completed under Permit 9596-1 (includes work authorized under Permit No. 9596, 9596-A, and 9596-B), 2016 - City of Sacramento) [Additional Reference(s): DWR Levee Log, 2002]
FS Date: 12/20/2013

Photo 2 of 2 : UCIP_FA_2016_49862_52891.jpg



Concrete box contains 3-54 inch crossings.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Natomas E Canal	Left	3.93	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	2.79	Rating **	M	Issue No.	158
LM End	2.79	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.641016 °	38.641016 °
				-121.471805 °	-121.471805 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:49863
DS_ID:24609
EP_NO: 9596
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: Dense vegetation on waterward side limits inspector's inspection--recommend removing vegetation to clear waterward slope.
FIELD_STRUCT_DESC: [Sump No. 157] 2 of 3: 54-inch steel drainage pipe through the levee, 3 feet below the crown. Steel cutoff wall around pipe under center of levee. Siphon breaker in protective housing located on the waterside (WS) shoulder. Concrete headwall and flap gate located on the WS end. Trench on WS. Pumping plant located on the landside (LS). On March 28, 1995, the Sacramento City Council adopted Resolution No. 95-123 authorizing the execution of Agreement No. 95-065 regarding the transfer of drainage facilities that include Pump Station 7 as described by ARFCD and described by the City of Sacramento as Sump 157. (three 54-inch pipes installed in the siphon breaker structure but only one pipe installed through levee under Permit No. 9596, 9596-A, and 1975 - American River Flood Control District; second pipe installed through levee under Permit No. 9596-B, 1980 - American River Flood Control District; name change completed under Permit 9596-1 (includes work authorized under Permit No. 9596, 9596-A, and 9596-B), 2016 - City of Sacramento) [Additional Reference(s): DWR Levee Log, 2002]
FS Date: 12/20/2013

LM Start	2.79	Rating **	M	Issue No.	158 (cont)
LM End	2.79	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_49863_52902.jpg



Overview of levee crown with two concrete boxes with multiple crossings inside.

Photo 2 of 2 : UCIP_FA_2016_49863_52901.jpg



Concrete box contains 3-54 inch crossings.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Natomas E Canal	Left	3.93	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	2.79	Rating **	U	Issue No.	162
LM End	2.79	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.641041 °	38.641041 °
				-121.471809 °	-121.471809 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50075

DS_ID:24610

EP_NO: 9596

Repair Type: Urgent

Crossing Status: Indicator Found

UCIP Comments: 8/11/2016 Based on permit review for 9596, 9596-A, and 9596-B it appears that the third pipe was never installed through the levee and only the WS pipe section in the siphon breaker was installed. The section through the levee is to be installed as a future enlargement of the Pumping Plant. Need to coordinate with owner to determine how pipe is sealed through the levee. Gate missing on WS. (DWR UCIP - omagana)12/20/2013 Signs of pipe removal are visible on waterward and landward side--gate missing on WS and pump missing on LS. Need to contact owner to determine status of crossing. (DWR UCIP - omagana)

FIELD_STRUCT_DESC: *PARTIAL INSTALL* [Sump No. 157] 3 of 3: 54-inch installed in the siphon breaker structure but not through levee. 54-inch steel drainage to be installed through the levee as part of a future expansion-no date specified as of 2016. Siphon breaker in protective housing on waterside (WS) shoulder. Concrete headwall with open WS end. Trench on WS. Pumping plant on landside (LS). On March 28, 1995, the Sacramento City Council adopted Resolution No. 95-123 authorizing the execution of Agreement No. 95-065 regarding the transfer of drainage facilities that include Pump Station 7 as described by ARFCD and described by the City of Sacramento as Sump 157. (three 54-inch pipes installed in the siphon breaker structure but only one pipe installed through levee under Permit No. 9596, 9596-A, and 1975 - American River Flood Control District; second pipe installed through levee under Permit No. 9596-B, 1980 - American River Flood Control District; name change completed under Permit 9596-1 (includes work authorized under Permit No. 9596, 9596-A, and 9596-B), 2016 - City of Sacramento) [Additional Reference(s): DWR Levee Log, 2002]

FS Date: 8/11/2016

Photo 1 of 2 : UCIP_FA_2016_50075_52912.jpg



Overview of levee crown with two concrete boxes with multiple crossings inside.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Natomas E Canal	Left	3.93	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	2.79	Rating **	U	Issue No.	162 (cont)
LM End	2.79	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.641041 °	38.641041 °
				-121.471809 °	-121.471809 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50075

DS_ID:24610

EP_NO: 9596

Repair Type: Urgent

Crossing Status: Indicator Found

UCIP Comments: 8/11/2016 Based on permit review for 9596, 9596-A, and 9596-B it appears that the third pipe was never installed through the levee and only the WS pipe section in the siphon breaker was installed. The section through the levee is to be installed as a future enlargement of the Pumping Plant. Need to coordinate with owner to determine how pipe is sealed through the levee. Gate missing on WS. (DWR UCIP - omagana)12/20/2013 Signs of pipe removal are visible on waterward and landward side--gate missing on WS and pump missing on LS. Need to contact owner to determine status of crossing. (DWR UCIP - omagana)

FIELD_STRUCT_DESC: *PARTIAL INSTALL* [Sump No. 157] 3 of 3: 54-inch installed in the siphon breaker structure but not through levee. 54-inch steel drainage to be installed through the levee as part of a future expansion-no date specified as of 2016. Siphon breaker in protective housing on waterside (WS) shoulder. Concrete headwall with open WS end. Trench on WS. Pumping plant on landside (LS). On March 28, 1995, the Sacramento City Council adopted Resolution No. 95-123 authorizing the execution of Agreement No. 95-065 regarding the transfer of drainage facilities that include Pump Station 7 as described by ARFCD and described by the City of Sacramento as Sump 157. (three 54-inch pipes installed in the siphon breaker structure but only one pipe installed through levee under Permit No. 9596, 9596-A, and 1975 - American River Flood Control District; second pipe installed through levee under Permit No. 9596-B, 1980 - American River Flood Control District; name change completed under Permit 9596-1 (includes work authorized under Permit No. 9596, 9596-A, and 9596-B), 2016 - City of Sacramento) [Additional Reference(s): DWR Levee Log, 2002]

FS Date: 8/11/2016

Photo 2 of 2 : UCIP_FA_2016_50075_52910.jpg



Concrete box contains 3-54 inch crossings.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Natomas E Canal	Left	3.93	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	2.87	Rating **	M	Issue No.	159
LM End	2.87	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.642162 °	38.642162 °
				-121.472041 °	-121.472041 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:49938
DS_ID:24484
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: 8/11/2016 Inspected the crossing with Tim Kerr and Richard Marck, LMA representatives, and it appears that this crossing does not go through the levee--unable to confirm. Crossing is believed to have initially started at the LS toe and modified in the 1990s when levee was raised. It is believed that the concrete box frame was added during the levee improvements by the USACE in the 1990s. Crossing was downgraded from Urgent to Non-Urgent due to evidence to indicate that no sink hole is present at this location. Need to confirm if crossing goes through the levee. (DWR UCIP - omagana)12/20/2013 Hole visible just above the concrete box located on landward side--unable to determine if hole is associated with pipe failure or burrow activity. Need to contact owner to determine status and details of crossing's alignment. (DWR UCIP - omagana)
FIELD_STRUCT_DESC: 12-inch corrugated metal (CM) railroad drainage pipe through the levee at unknown depth. (crossing does not appear to go through levee) Crossing appears to be used to drain the landside (LS) berm. Crossing initially started at the LS toe inlet (evidence of inlet is still present 2016). Inlet was moved during the USACE improvement project to raise levee in the 1990s. The inlet is now located at the low point of LS berm where the concrete box is located. [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual Unit No. 118 Part 2, October 1959, (Station 340+00)].
FS Date: 8/11/2016

Photo 1 of 2 : UCIP_FA_2016_49938_55459.jpg



View of WS.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Natomas E Canal	Left	3.93	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	2.87	Rating **	M	Issue No.	159 (cont)
LM End	2.87	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.642162 °	38.642162 °
				-121.472041 °	-121.472041 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:49938
DS_ID:24484
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: 8/11/2016 Inspected the crossing with Tim Kerr and Richard Marck, LMA representatives, and it appears that this crossing does not go through the levee--unable to confirm. Crossing is believed to have initially started at the LS toe and modified in the 1990s when levee was raised. It is believed that the concrete box frame was added during the levee improvements by the USACE in the 1990s. Crossing was downgraded from Urgent to Non-Urgent due to evidence to indicate that no sink hole is present at this location. Need to confirm if crossing goes through the levee. (DWR UCIP - omagana)12/20/2013 Hole visible just above the concrete box located on landward side--unable to determine if hole is associated with pipe failure or burrow activity. Need to contact owner to determine status and details of crossing's alignment. (DWR UCIP - omagana)
FIELD_STRUCT_DESC: 12-inch corrugated metal (CM) railroad drainage pipe through the levee at unknown depth. (crossing does not appear to go through levee) Crossing appears to be used to drain the landside (LS) berm. Crossing initially started at the LS toe inlet (evidence of inlet is still present 2016). Inlet was moved during the USACE improvement project to raise levee in the 1990s. The inlet is now located at the low point of LS berm where the concrete box is located. [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual Unit No. 118 Part 2, October 1959, (Station 340+00)].
FS Date: 8/11/2016

Photo 2 of 2 : UCIP_FA_2016_49938_55458.jpg



View of concrete box located on LS.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Natomas E Canal	Left	3.93	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	2.88	Rating **	A	Issue No.	21
LM End	3.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.642283 °	38.654472 °
				-121.472065 °	-121.474411 °
DWR ID	DWR_NA0001_02_f_2016_21				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
LMA has exceptional vegetation control program.					

Photo 1 of 1 : FA_2016_NA0001_52_21_20161031_00046.jpg



View of the vegetation on the waterside levee slope.

LM Start	2.92	Rating **	A/W	Issue No.	6
LM End	2.92	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.642950 °	38.642950 °
				-121.472166 °	-121.472166 °
DWR ID	DWR_NA0001_02_f_2012_6				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Monitor this location.					

Photo 1 of 1 : FA_2016_NA0001_52_6_20160914_00002.jpg



View of landside slope instability.

LM Start	2.97	Rating **	C	Issue No.	23
LM End	3.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.643580 °	38.652879 °
				-121.472291 °	-121.474059 °
DWR ID	DWR_NA0001_02_s_2016_23				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Tumble weeds need to be removed.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Natomas E Canal	Left	3.93	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	3.84	Rating **	C	Issue No.	22
LM End	3.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.656133 °	38.656133 °
				-121.474703 °	-121.474703 °
DWR ID	DWR_NA0001_02_s _ 2016_22				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Tumble weeds need to be removed.					

No Photos

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2016 Levee Inspection Results

American River Flood Control District

Waterway			Bank	Unit Miles
Unit No. 03 American River			Right	2.86
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	3/2/2016 - 3/3/2016		10/21/2016 - 10/21/2016	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By	Richard Marck ARFCD		Richard Marck ARFCD	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 American River	Right	2.86	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	0.75	Rating **	C	Issue No.	11
LM End	0.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.589359 °	38.589359 °
				-121.430990 °	-121.430990 °
DWR ID	DWR_NA0001_03_s_2012_11				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Stump removed.					

No Photos

LM Start	0.85	Rating **	C	Issue No.	23
LM End	0.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.589624 °	38.589624 °
				-121.432935 °	-121.432935 °
DWR ID	DWR_NA0001_03_f_2014_23				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Stump removed.					

No Photos

LM Start	0.91	Rating **	N	Issue No.	22
LM End	0.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.589752 °	38.589752 °
				-121.433962 °	-121.433962 °
DWR ID	DWR_NA0001_03_s_2016_22				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0001_490_22_20161031_00036.jpg



View of the tree stump on the landside levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 American River	Right	2.86	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	1.39	Rating **	C	Issue No.	31
LM End	1.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.591616 °	38.591616 °
				-121.442213 °	-121.442213 °
DWR ID	DWR_NA0001_03_f_2015_31				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	1.53	Rating **	M	Issue No.	39
LM End	1.53	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.593054 °	38.593054 °
				-121.444155 °	-121.444155 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50047 DS_ID:24292 EP_NO: 5776 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 8/11/2016 Issue has been addressed--no hole is present at site. Hole could have been associated with burrow activity. Need to contact owner to obtain internal integrity inspection to confirm pipe is in good condition. Crossing has been changed from Urgent to Non-Urgent due to limited evidence to support leak in pipe. (DWR UCIP - omagana)12/3/2013 Hole present next to concrete vault on levee crown (waterward side). Hole could be sink hole or burrow activity unable to determine. Need to contact owner to determine status of crossing and to investigate hole. (DWR UCIP - omagana) FIELD_STRUCT_DESC: [Drainage Plant No. 2] 7 of 8: 18-inch steel drainage pipe through the levee at an unknown depth below the crown. Metal cutoff wall around pipe under landside (LS) shoulder. Siphon breakers in concrete box located on the waterside (WS) shoulder. Pumping plant at LS toe. Access ramp to pumping plant located on LS. Concrete discharge box located on the WS. Flap gate located on the WS end. Outfall structure located on the WS. (Permit No. 5776, 1972 - American River Flood Control District; name change completed under Permit No. 5776-1, 2016 - City of Sacramento) [Additional Reference(s): DWR Levee Log, 2002] FS Date: 8/11/2016					

Photo 1 of 2 : UCIP_FA_2016_50047_53005.jpg



View of WS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 American River	Right	2.86	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	1.53	Rating **	M	Issue No.	39 (cont)	
LM End	1.53	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.593054 °	38.593054 °	
				-121.444155 °	-121.444155 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:50047 DS_ID:24292 EP_NO: 5776 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 8/11/2016 Issue has been addressed--no hole is present at site. Hole could have been associated with burrow activity. Need to contact owner to obtain internal integrity inspection to confirm pipe is in good condition. Crossing has been changed from Urgent to Non-Urgent due to limited evidence to support leak in pipe. (DWR UCIP - omagana)12/3/2013 Hole present next to concrete vault on levee crown (waterward side). Hole could be sink hole or burrow activity unable to determine. Need to contact owner to determine status of crossing and to investigate hole. (DWR UCIP - omagana) FIELD_STRUCT_DESC: [Drainage Plant No. 2] 7 of 8: 18-inch steel drainage pipe through the levee at an unknown depth below the crown. Metal cutoff wall around pipe under landside (LS) shoulder. Siphon breakers in concrete box located on the waterside (WS) shoulder. Pumping plant at LS toe. Access ramp to pumping plant located on LS. Concrete discharge box located on the WS. Flap gate located on the WS end. Outfall structure located on the WS. (Permit No. 5776, 1972 - American River Flood Control District; name change completed under Permit No. 5776-1, 2016 - City of Sacramento) [Additional Reference(s): DWR Levee Log, 2002] FS Date: 8/11/2016						

Photo 2 of 2 : UCIP_FA_2016_50047_53004.jpg



View of levee crown--concrete vault located on WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 American River	Right	2.86	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	1.54	Rating **	M	Issue No.	35
LM End	1.54	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.593290 °	38.593290 °
				-121.443980 °	-121.443980 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31224 DS_ID:24644 EP_NO: 2805 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to confirm what crossings are going through levee. Will need to coordinate iwth owner to determine active crossings. FIELD_STRUCT_DESC: [Arden Treatment Plant] 3 of 4: 34-inch concrete encased sewer pipe through the levee, 7.5 feet below the crown. Concrete cutoff wall around pipe under center of levee. Siphon breaker in housing at waterside (WS) shoulder. Treatment plant on landside (LS). FS Date: 12/3/2013					

LM Start	1.54	Rating **	M	Issue No.	35 (cont)
LM End	1.54	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_FA_2016_31224_57130.jpg



View of levee crown and concrete box located on waterward shoulder.

Photo 2 of 2 : UCIP_FA_2016_31224_57129.jpg



Concrete box located on waterward shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 American River	Right	2.86	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	1.54	Rating **	M	Issue No.	36
LM End	1.54	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.593290 °	38.593290 °
				-121.443980 °	-121.443980 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31225 DS_ID:24645 EP_NO: 2805 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to confirm what crossings are going through levee. Will need to coordinate with owner to determine active crossings. FIELD_STRUCT_DESC: [Arden Treatment Plant] 4 of 4: 34-inch concrete encased sewer pipe through the levee, 6.2 feet below the crown. Concrete cutoff wall around pipe under center of levee. Siphon breaker in housing at waterside (WS) shoulder. Treatment plant on landside (LS). FS Date: 12/3/2013					

LM Start	1.54	Rating **	M	Issue No.	36 (cont)
LM End	1.54	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_FA_2016_31225_57135.jpg



View of levee crown and concrete box located on waterward shoulder.

Photo 2 of 2 : UCIP_FA_2016_31225_57134.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 American River	Right	2.86	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	1.54	Rating **	M	Issue No.	37
LM End	1.54	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.593224 °	38.593224 °
				-121.444299 °	-121.444299 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31227					
DS_ID:24293					
EP_NO: 2805					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Unable to confirm what crossings are going through levee. Will need to coordinate with owner to determine active crossings.					
FIELD_STRUCT_DESC: [Co Sanitation District No. 2 Pump Station] 18-inch concrete sewer main through the levee, 6 feet below crown.					
Concrete cutoff wall around pipe under center of levee. 2-inch air release valve located on waterside (WS) shoulder. Treatment plant on landside (LS). Crossing continues under the channel and through the opposite levee. (Permit No. 2805-1961)					
FS Date: 12/3/2013					

LM Start	1.54	Rating **	M	Issue No.	37 (cont)
LM End	1.54	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_FA_2016_31227_57140.jpg



View of levee crown and concrete box located on waterward shoulder.

Photo 2 of 2 : UCIP_FA_2016_31227_57138.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 American River	Right	2.86	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	1.55	Rating **	M	Issue No.	34
LM End	1.55	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.593224 °	38.593224 °
				-121.444299 °	-121.444299 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:31223
DS_ID:24643
EP_NO: 2805
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: Unable to confirm what crossings are going through levee. Will need to coordinate iwth owner to determine active crossings.
FIELD_STRUCT_DESC: [Co Sanitation District No. 2 Pump Station]: 24-inch reinforced concrete sewer main through the levee, 2.5 feet below the crown. Concrete cutoff wall around pipe under center of levee. Siphon breaker in housing at waterside (WS) shoulder. Treatment plant on landside (LS). (Permit No. 6216-1969) Line connects to an existing 18-inch sewer line and 8-inch line installed under permit no. 6216. The line also connects to an existing 24-inch line located on the LS. The 24-inch line on LS parallels the levee for approximately 54 feet and ends at the pump station.
FS Date: 12/3/2013

LM Start	1.55	Rating **	M	Issue No.	34 (cont)
LM End	1.55	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_FA_2016_31223_57124.jpg



View of levee crown and concrete box located on waterward shoulder.

Photo 2 of 2 : UCIP_FA_2016_31223_57123.jpg



Concrete box located on waterward shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 American River	Right	2.86	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	1.82	Rating **	A/W	Issue No.	9
LM End	1.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.595700°	38.595700°
				-121.448198°	-121.448198°
DWR ID	DWR_NA0001_03_s_2012_9				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Slope repaired. Monitor for possible future erosion.					

Photo 1 of 1 : FA_2016_NA0001_490_9_20160914_00002.jpg



View of the erosion on landside levee slope due to pedestrian traffic.

LM Start	1.91	Rating **	M	Issue No.	38
LM End	1.91	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.596096 °	38.596096 °
				-121.449815 °	-121.449815 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31230					
DS_ID:24801					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: No permit found--need to contact owner to determine status of crossing.					
FIELD_STRUCT_DESC: Gas line through levee at unknown depth.					
Markers visible on waterside (WS) and landside (LS). Kinder Morgan contact's information is 916-363-1666.					
FS Date: 12/6/2013					

Photo 1 of 2 : UCIP_FA_2016_31230_57146.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 American River	Right	2.86	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	1.91	Rating **	M	Issue No.	38 (cont)	
LM End	1.91	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.596096 °	38.596096 °	
				-121.449815 °	-121.449815 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:31230						
DS_ID:24801						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: No permit found--need to contact owner to determine status of crossing.						
FIELD_STRUCT_DESC: Gas line through levee at unknown depth.						
Markers visible on waterside (WS) and landside (LS). Kinder Morgan contact's information is 916-363-1666.						
FS Date: 12/6/2013						

Photo 2 of 2 : UCIP_FA_2016_31230_57145.jpg



Overview of levee crown at crossing.

LM Start	1.91	Rating **	M	Issue No.	32
LM End	1.91	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.596108 °	38.596108 °
				-121.449887 °	-121.449887 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:29826					
DS_ID:24294					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Unable to confirm the diameter size or which owner is responsible for crossing. Owner could be Quest Communication or MCI--Need to contact owner to confirm crossing and obtain encroachment permit for work.					
FIELD_STRUCT_DESC: Communications conduit through the levee at unknown depth.					
FS Date: 12/6/2013					

Photo 1 of 2 : UCIP_FA_2016_29826_55135.jpg



Overview of levee crown looking upstram at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 American River	Right	2.86	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	1.91	Rating **	M	Issue No.	32 (cont)	
LM End	1.91	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.596108 °	38.596108 °	
				-121.449887 °	-121.449887 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:29826						
DS_ID:24294						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Unable to confirm the diameter size or which owner is responsible for crossing. Owner could be Quest Communication or MCI--Need to contact owner to confirm crossing and obtain encroachment permit for work.						
FIELD_STRUCT_DESC: Communications conduit through the levee at unknown depth.						
FS Date: 12/6/2013						

Photo 2 of 2 : UCIP_FA_2016_29826_55134.jpg



View of landward side--conduit markers visible.

LM Start	1.92	Rating **	M	Issue No.	33
LM End	1.92	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.596108 °	38.596108 °
				-121.449887 °	-121.449887 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:29827					
DS_ID:24296					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Unable to confirm the diameter size or which owner is responsible for crossing. Owner could be Quest Communication or MCI--Need to contact owner to confirm crossing and obtain encroachment permit for work.					
FIELD_STRUCT_DESC: 3-inch cable through the levee, 2.5 feet below the crown. Two overhead telephone lines across the levee at location.					
FS Date: 12/6/2013					

Photo 1 of 2 : UCIP_FA_2016_29827_55141.jpg



Overview of levee crown looking upstream at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 American River	Right	2.86	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	1.92	Rating **	M	Issue No.	33 (cont)	
LM End	1.92	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.596108 °	38.596108 °	
				-121.449887 °	-121.449887 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:29827						
DS_ID:24296						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Unable to confirm the diameter size or which owner is responsible for crossing. Owner could be Quest Communication or MCI--Need to contact owner to confirm crossing and obtain encroachment permit for work.						
FIELD_STRUCT_DESC: 3-inch cable through the levee, 2.5 feet below the crown. Two overhead telephone lines across the levee at location.						
FS Date: 12/6/2013						

Photo 2 of 2 : UCIP_FA_2016_29827_55140.jpg



Conduit markers visible on landward side.

LM Start	1.94	Rating **	A	Issue No.	27
LM End	2.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.596177 °	38.596375 °
				-121.450456 °	-121.467529 °
DWR ID	DWR_NA0001_03_f_2016_27				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Acceptable vegetation control.					

Photo 1 of 1 : FA_2016_NA0001_490_27_20161031_00034.jpg



View of the vegetation on the landside levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 American River	Right	2.86	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	2.21	Rating **	C	Issue No.	28
LM End	2.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.596278 °	38.596278 °
				-121.455435 °	-121.455435 °
DWR ID	DWR_NA0001_03_f_2016_28				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
LMA backfilled the holes.					

No Photos

LM Start	2.27	Rating **	C	Issue No.	26
LM End	2.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.596161 °	38.596161 °
				-121.456419 °	-121.456419 °
DWR ID	DWR_NA0001_03_f_2015_26				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
The holes were backfilled by the LMA.					

No Photos

LM Start	2.40	Rating **	C	Issue No.	25
LM End	2.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.595549 °	38.595549 °
				-121.458714 °	-121.458714 °
DWR ID	DWR_NA0001_03_f_2015_25				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
The holes were backfilled by the LMA.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 American River	Right	2.86	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	3.17	Rating **	C	Issue No.	1	
LM End	3.17	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			38.599141 °		38.599141 °
				-121.470227 °		-121.470227 °
DWR ID	DWR_NA0001_03_f_2013_1					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						
Site repaired.						

No Photos

LM Start	3.29	Rating **	M	Issue No.	40
LM End	3.29	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.600718 °	38.600718 °
				-121.471491 °	-121.471491 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50049 DS_ID:24648 EP_NO: 911 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 8/11/2016 Markers found on WS. No markers found on LS. Crossing has been downgraded from Urgent to Non-Urgent, pipe has been marked on WS only. (DWR UCIP - omagana)2/6/2015 Permit information was entered and crossing description updated. (DWR UCIP - omagana)12/3/13 Need to contact owner to determine status of crossing. Markers missing. (DWR UCIP - omagana) FIELD_STRUCT_DESC: 12.75-inch gas line through the levee at unknown depth. Markers found on the waterside (WS) approximately 192 feet and 410 feet from levee crown. No markers found on landside (LS). (line installed under Permit No. 911, 1943 - Pacific Gas and Electric Company [PG&E]) FS Date: 8/11/2016					

Photo 1 of 2 : UCIP_FA_2016_50049_53391.jpg



View of LS slope and USA paint markings indicating alignment.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 American River	Right	2.86	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	3.29	Rating **	M	Issue No.	40 (cont)
LM End	3.29	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.600718 °	38.600718 °
				-121.471491 °	-121.471491 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50049 DS_ID:24648 EP_NO: 911 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 8/11/2016 Markers found on WS. No markers found on LS. Crossing has been downgraded from Urgent to Non-Urgent, pipe has been marked on WS only. (DWR UCIP - omagana)2/6/2015 Permit information was entered and crossing description updated. (DWR UCIP - omagana)12/3/13 Need to contact owner to determine status of crossing. Markers missing. (DWR UCIP - omagana) FIELD_STRUCT_DESC: 12.75-inch gas line through the levee at unknown depth. Markers found on the waterside (WS) approximately 192 feet and 410 feet from levee crown. No markers found on landside (LS). (line installed under Permit No. 911, 1943 - Pacific Gas and Electric Company [PG&E]) FS Date: 8/11/2016					

Photo 2 of 2 : UCIP_FA_2016_50049_53390.jpg



Underground service alert (USA) approximate alignment for 12-inch gas line through levee and WS--USA markings on bike path.

LM Start	3.31	Rating **	M	Issue No.	24
LM End	3.31	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.600958 °	38.600958 °
				-121.471618 °	-121.471618 °
DWR ID	DWR_NA0001_03_s_2015_24				
Comment Code					
PO : Pole					
Inspector Comment					
SMUD replacing old pole at the landside toe of the levee. Pole line does not appear to be permitted.					

Photo 1 of 1 : FA_2016_NA0001_490_24_20160914_00005.jpg



View of a new pole installed at the landside levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2016 Levee Inspection Results

American River Flood Control District

Waterway			Bank	Unit Miles
Unit No. 04 American River			Left	10.86
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	2/29/2016 - 3/3/2016		10/26/2016 - 10/27/2016	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By	Richard Marck ARFCD		Richard Marck ARFCD	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start		Rating **	M	Issue No.	771
LM End		Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.587514 °	38.587514 °
				-121.465497 °	-121.465497 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50052					
DS_ID:25127					
EP_NO: 3362					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 14-inch corrugated metal water return pipe					
through the levee, 1.5 feet below the crown. Metal cutoff wall around					
pipe at center of levee. Concrete sump on landside (LS) end. Discharge					
trough and flap gate on the waterside (WS) slope. (Permit No. 3362A-					
1964)					
FS Date: 4/1/2016					

No Photos

LM Start	0.06	Rating **	M	Issue No.	757
LM End	0.06	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.597198 °	38.597198 °
				-121.506532 °	-121.506532 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:29003 DS_ID:24344 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Metal boxes located on landward side could be associated with utility -- unable to confirm. Will need to contact owner. FIELD_STRUCT_DESC: Electrical conduit through the levee at unknown depth. FS Date: 12/19/2013					

Photo 1 of 2 : UCIP_FA_2016_29003_53405.jpg



Approximate alignment provided by the City of Sacramento for 2 inch line. Point labelled in green is field verified location where signs of crossing exist.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

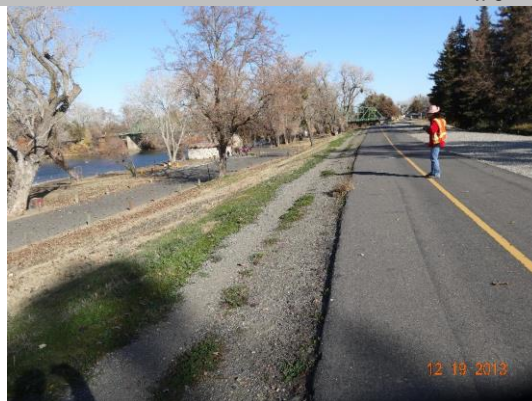
Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	0.06	Rating **	M	Issue No.	757 (cont)	
LM End	0.06	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.597198 °		38.597198 °
				-121.506532 °		-121.506532 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:29003 DS_ID:24344 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Metal boxes located on landward side could be associated with utility -- unable to confirm. Will need to contact owner. FIELD_STRUCT_DESC: Electrical conduit through the levee at unknown depth. FS Date: 12/19/2013						

Photo 2 of 2 : UCIP_FA_2016_29003_53404.jpg



Overview of levee crown and waterward side.

LM Start	0.20	Rating **	A/W	Issue No.	242
LM End	0.20	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.598832 °	38.598832 °
				-121.504984 °	-121.504984 °
DWR ID	DWR_NA0001_04_s_2015_242				
Comment Code					
FE : Fence					
Inspector Comment					
County has obtained a permit from CVFPB 19069 to install gates.					

Photo 1 of 1 : FA_2016_NA0001_55_242_20160914_00188.jpg



View of the gate installation in progress on the levee crown.

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	0.21	Rating **	M	Issue No.	758
LM End	0.21	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.598982 °	38.598982 °
				-121.505045 °	-121.505045 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:29006 DS_ID:24435 EP_NO: 17171 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Unable to find any indications that crossing is still active. Will need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: 48-inch steel water line through the levee, approximately 32.0 feet below the crown. Siphon and blowoff valves in concrete riser on the landside (LS). (Permit No. 17171-2001) FS Date: 12/19/2013					

Photo 1 of 1 : UCIP_FA_2016_29006_53414.jpg



Approximate alignment provided by the City of Sacramento--crossing not found during field visit.

LM Start	0.21	Rating **	M	Issue No.	177
LM End	0.21	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.598980 °	38.598980 °
				-121.504773 °	-121.504773 °
DWR ID	DWR_NA0001_04_s_2012_177				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Landscaping on levee crown at overpass.					

Photo 1 of 1 : FA_2016_NA0001_55_177_20160914_00154.jpg



View of the landscaping on the levee crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	0.31	Rating **	M	Issue No.	1
LM End	0.45	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.599835 °	38.600769 °
				-121.503448 °	-121.501133 °
DWR ID	DWR_NA0001_04_s_2012_1				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Vines and privacy fence within 10-ft of the landside toe or on the levee slope obstruct visibility and access.					

Photo 1 of 1 : FA_2016_NA0001_55_1_20160914_00001.jpg



View of the vines obstructing visibility.

LM Start	0.40	Rating **	M	Issue No.	765
LM End	0.40	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.600436 °	38.600436 °
				-121.502058 °	-121.502058 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31249					
DS_ID:24303					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Non-functional crossing--need additional information about how crossing was abandoned.					
FIELD_STRUCT_DESC: *ABANDONED* 42-inch corrugated metal (CM) pipe through the levee, 16.5 feet below the crown. Gravel filled with both ends welded shut. Flap gate on the waterside (WS) end. Slide gate in CM riser and splash board drain structure on the landside (LS). (USACE-1955). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 10+00).					
FS Date: 12/19/2013					

Photo 1 of 2 : UCIP_FA_2016_31249_57212.jpg



Overview of crossing location.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	0.40	Rating **	M	Issue No.	765 (cont)	
LM End	0.40	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.600436 °		38.600436 °
				-121.502058 °		-121.502058 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:31249						
DS_ID:24303						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Non-functional crossing--need additional information about how crossing was abandoned.						
FIELD_STRUCT_DESC: *ABANDONED* 42-inch corrugated metal (CM) pipe through the levee, 16.5 feet below the crown. Gravel filled with both ends welded shut. Flap gate on the waterside (WS) end. Slide gate in CM riser and splash board drain structure on the landside (LS). (USACE-1955). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 10+00).						
FS Date: 12/19/2013						

Photo 2 of 2 : UCIP_FA_2016_31249_57209.jpg



View of levee crown at this location.

LM Start	0.60	Rating **	N	Issue No.	212
LM End	0.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.601380 °	38.601380 °
				-121.498533 °	-121.498533 °
DWR ID	DWR_NA0001_04_f_2013_212				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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American River Flood Control District

No Photos

USACE 2013 Photo #1

View of the footpath on the waterside levee slope, looking downstream.

Page 6 of 121

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	1.85	Rating **	A/W	Issue No.	250 (cont)	
LM End	1.85	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.596220 °		38.596220 °
				-121.477713 °		-121.477713 °
DWR ID	DWR_NA0001_04_s_2016_250					
Comment Code						
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.						
Inspector Comment						

Photo 2 of 2 : FA_2016_NA0001_55_250_20161031_00258.jpg



View of the footpath on the waterside levee slope, looking at the slope.

LM Start	1.88	Rating **	U	Issue No.	770
LM End	1.88	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.595911 °	38.595911 °
				-121.477485 °	-121.477485 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:49935 DS_ID:24307 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 8/11/2016 Crossing was classified incorrectly. Crossing is not a gas line. This crossing appears to be an abandoned sewer line. On WS, holes are present on the pipe wall and visible cracks are found on the concrete wall where pipe crosses. According to LMA, Tim Kerr and Richard Marck, this crossing could be a City line. Need to find owner and determine fate of crossing. Owner will need to coordinate with CVFPB to comply with Title 23. (DWR UCIP - omagana)12/19/2013 No markers or labels visible to indicate line is gas line--unable to confirm. (DWR UCIP - omagana) FIELD_STRUCT_DESC: *ABANDONED* 18-inch (not 20-inch as referenced in DWR levee logs) steel line of unknown type through the levee, 5 feet below the crown. The 20-inch pipe was initially referenced as a 20-inch gas line under DWR levee logs that dated back to 1956. During the 2016 inspection, the pipe was identified (field measured) as an 18-inches non-gas line. It appears that this crossing has been mis-labelled or replaced no additional information was found. [Additional Reference(s): DWR Levee Log, 1956 and 2002] FS Date: 8/11/2016					

Photo 1 of 2 : UCIP_FA_2016_49935_53496.jpg



View of line exposed at the bridge.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	1.88	Rating **	U	Issue No.	770 (cont)	
LM End	1.88	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.595911 °	38.595911 °	
				-121.477485 °	-121.477485 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:49935 DS_ID:24307 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 8/11/2016 Crossing was classified incorrectly. Crossing is not a gas line. This crossing appears to be an abandoned sewer line. On WS, holes are present on the pipe wall and visible cracks are found on the concrete wall where pipe crosses. According to LMA, Tim Kerr and Richard Marck, this crossing could be a City line. Need to find owner and determine fate of crossing. Owner will need to coordinate with CVFPB to comply with Title 23. (DWR UCIP - omagana)12/19/2013 No markers or labels visible to indicate line is gas line--unable to confirm. (DWR UCIP - omagana) FIELD_STRUCT_DESC: *ABANDONED* 18-inch (not 20-inch as referenced in DWR levee logs) steel line of unknown type through the levee, 5 feet below the crown. The 20-inch pipe was initially referenced as a 20-inch gas line under DWR levee logs that dated back to 1956. During the 2016 inspection, the pipe was identified (field measured) as an 18-inches non-gas line. It appears that this crossing has been mislabelled or replaced no additional information was found. [Additional Reference(s): DWR Levee Log, 1956 and 2002] FS Date: 8/11/2016						

Photo 2 of 2 : UCIP_FA_2016_49935_53495.jpg



Two crossings visible at bridge.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	1.88	Rating **	M	Issue No.	772
LM End	1.88	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.595911 °	38.595911 °
				-121.477485 °	-121.477485 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50050					
DS_ID:24528					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 9/21/2016 According to CVFPB enforcement records.					
PG&E is working on submitting permit for gas line. (DWR UCIP - omagana)8/11/2016 gas line is clearly marked on WS. (DWR UCIP - omagana)					
FIELD_STRUCT_DESC: 10-inch steel gas main through the levee, 5 feet below the crown. PG&E label found on WS portion of exposed pipe. Contact for PG&E 1-800-743-6990 or 1-800642-2444. [Additional Reference(s): DWR Levee Log, 2002]					
FS Date: 8/11/2016					

LM Start	1.88	Rating **	M	Issue No.	772 (cont)
LM End	1.88	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_FA_2016_50050_55422.jpg



Utility lines through levee and across channel.

Photo 2 of 2 : UCIP_FA_2016_50050_55421.jpg



Larger line is not marked as gas line and smaller line has label indicating gas line.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	1.95	Rating **	A/W	Issue No.	244
LM End	1.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.595040 °	38.595040 °
				-121.476882 °	-121.476882 °
DWR ID	DWR_NA0001_04_f_2015_244				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0001_55_244_20161031_00256.jpg



View of the footpath on the landside levee slope.

LM Start	2.25	Rating **	M	Issue No.	753
LM End	2.25	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.591923 °	38.591923 °
				-121.473744 °	-121.473744 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:29927					
DS_ID:24310					
EP_NO: 14150					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: unable to confirm if crossing is 4-inch steel conduit--will need to coordinate with owner.					
FIELD_STRUCT_DESC: 4-inch steel pipe conduit containing fiber optic cables through the levee, 3.5 feet below the crown. Markers on the levee shoulder. Rock revetment on the waterside (WS) slope. (Permit No. 14150-1986)					
FS Date: 12/19/2013					

Photo 1 of 2 : UCIP_FA_2016_29927_55259.jpg



View of waterward slope--concrete box could be associated with conduit?

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	2.25	Rating **	M	Issue No.	753 (cont)	
LM End	2.25	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.591923 °	38.591923 °	
				-121.473744 °	-121.473744 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:29927 DS_ID:24310 EP_NO: 14150 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: unable to confirm if crossing is 4-inch steel conduit--will need to coordinate with owner. FIELD_STRUCT_DESC: 4-inch steel pipe conduit containing fiber optic cables through the levee, 3.5 feet below the crown. Markers on the levee shoulder. Rock revetment on the waterside (WS) slope. (Permit No. 14150-1986) FS Date: 12/19/2013						

Photo 2 of 2 : UCIP_FA_2016_29927_55261.jpg



Marker for buried fiber optic cable on waterward side.

LM Start	2.28	Rating **	U	Issue No.	252
LM End	2.28	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.591602 °	38.591602 °
				-121.473223 °	-121.473223 °
DWR ID	DWR_NA0001_04_f_2016_252				
Comment Code					
FE : Fence					
Inspector Comment					
Unauthorized fence being installed across the levee and down the landside and waterside slopes and into the floodway.					

Photo 1 of 3 : FA_2016_NA0001_55_252_20161031_00252.jpg



Landside view of the new fence construction across the levee crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	2.28	Rating **	U	Issue No.	252 (cont)	
LM End	2.28	Issue Type +	En	Location *	CR	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.591602 °	38.591602 °	
				-121.473223 °	-121.473223 °	
DWR ID	DWR_NA0001_04_f_2016_252					
Comment Code						
FE : Fence						
Inspector Comment						
Unauthorized fence being installed across the levee and down the landside and waterside slopes and into the floodway.						

LM Start	2.28	Rating **	U	Issue No.	252 (cont)
LM End	2.28	Issue Type +	En	Location *	CR

Photo 2 of 3 : FA_2016_NA0001_55_252_20161031_00254.jpg



Waterside view of the new fence construction across the levee crown.

Photo 3 of 3 : FA_2016_NA0001_55_252_20161031_00255.jpg



View of the fence post hole in the levee crown.

LM Start	2.68	Rating **	U	Issue No.	2
LM End	2.68	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.588913 °	38.588913 °
				-121.467210 °	-121.467210 °
DWR ID	DWR_NA0001_04_s_2012_2				
Comment Code					
BU : Building					
Inspector Comment					
Bell Marine					

Photo 1 of 1 : FA_2016_NA0001_55_2_20160914_00002.jpg



03/16/2012 Structure on Bell Marine property.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	2.72	Rating **	M	Issue No.	754	
LM End	2.72	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.587906 °	38.587906 °	
				-121.466689 °	-121.466689 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:29944						
DS_ID:24327						
EP_NO: 3362						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe sections abandoned on levee crown--need to contact owner to determine status of crossing.						
FIELD_STRUCT_DESC: 12-inch steel pipe through the levee. Pipe extends from a settling pond, on the left bank berm, to an existing borrow pit located in the overflow area adjacent to the right bank. The pipeline is buried through the top of the riverbanks and buried in the left bank with aggregate revetment placed on the bank. The remainder of the pipeline is exposed across the bottom of the channel and the right bank. The line is used to divert wash water return from the gravel plant to the opposite side of the river. (Permit 8146-1974)						
FS Date: 12/19/2013						

Photo 1 of 2 : UCIP_FA_2016_29944_55267.jpg



Remnants of old crossing located on levee crown.

LM Start	2.72	Rating **	M	Issue No.	754 (cont)
LM End	2.72	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2016_29944_55266.jpg



View of structure located on levee crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	2.72	Rating **	M	Issue No.	3
LM End	2.86	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.587939 °	38.587299 °
				-121.466635 °	-121.464320 °
DWR ID	DWR_NA0001_04_s_2012_3				
Comment Code					
EQ : Equipment					
Inspector Comment					
Bell Marine, LMA sent a letter to property owner for the violation.					

Photo 1 of 1 : FA_2016_NA0001_55_3_20160914_00003.jpg



View of the debris obstructing visibility and access.

LM Start	2.74	Rating **	M	Issue No.	247
LM End	2.74	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.587778 °	38.587778 °
				-121.466313 °	-121.466313 °
DWR ID	DWR_NA0001_04_s_2012_247				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	2.77	Rating **	M	Issue No.	759
LM End	2.77	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.587629 °	38.587629 °
				-121.465905 °	-121.465905 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31444					
DS_ID:24805					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: No permit (unauthorized crossing)--need additional information about crossing.					
FIELD_STRUCT_DESC: Standpipe located on waterward shoulder.					
Unable to confirm pipe alignment. No permit found.					
FS Date: 12/19/2013					

Photo 1 of 2 : UCIP_FA_2016_31444_57486.jpg



View of waterward slope.

Photo 2 of 2 : UCIP_FA_2016_31444_57485.jpg



Standpipe located on waterward shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

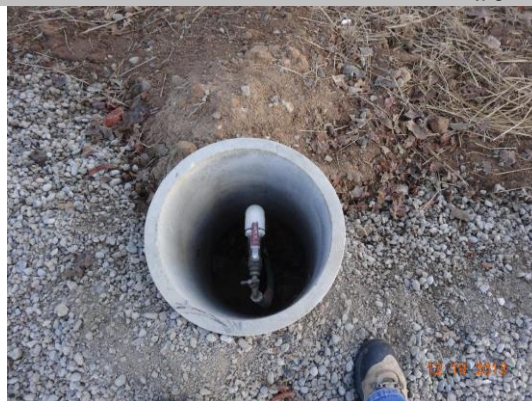
Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	2.82	Rating **	M	Issue No.	760
LM End	2.82	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.587438 °	38.587438 °
				-121.464989 °	-121.464989 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31445					
DS_ID:24806					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: No permit found (unauthorized?)--need additional information about crossing.					
FIELD_STRUCT_DESC: Standpipe located on waterside (WS) shoulder. Pipe crosses levee crown and landside (LS). Pipe used for irrigation. No Permit found.					
FS Date: 12/13/2013					

Photo 1 of 1 : UCIP_FA_2016_31445_57487.jpg



Spigot located inside riser located on waterward shoulder.

LM Start	2.82	Rating **	M	Issue No.	766
LM End	2.82	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.587383 °	38.587383 °
				-121.464951 °	-121.464951 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31253 DS_ID:24328 EP_NO: 5890 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Need to contact owner to determine status of crossing--approximate alignment indicates pipe does not cross levee however records shows drain pipe crosses levee. FIELD_STRUCT_DESC: 8-inch corrugated metal (CM) drainpipe through the levee, 2.1 feet below the crown. Concrete drop inlet structure at waterside (WS) shoulder. Maintenance facilities and yard on the landside (LS). Rock revetment on WS slope. (Pemit No. 5890-1968) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 156+75). FS Date: 12/19/2013					

Photo 1 of 1 : UCIP_FA_2016_31253_57216.jpg



Approximate alignment indicated in blue and approximate location indicated by DWR-UCIP in green label.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	2.83	Rating **	M	Issue No.	4
LM End	2.83	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.587272 °	38.587272 °
				-121.464768 °	-121.464768 °
DWR ID	DWR_NA0001_04_s_2012_4				
Comment Code					
DE : Debris					
Inspector Comment					
Bell Marine, LMA sent a letter to the property owner for this violation.					

Photo 1 of 2 : FA_2016_NA0001_55_4_20160914_00004.jpg



View of the debris stored in floodway.

LM Start	2.83	Rating **	M	Issue No.	4 (cont)
LM End	2.83	Issue Type +	En	Location *	WS

Photo 2 of 2 : FA_2016_NA0001_55_4_20160914_00005.jpg



View of the derelict boats in the floodway. Bell Marine has a service contract to dispose of abandoned boats for the City.

LM Start	2.86	Rating **	M	Issue No.	248
LM End	2.86	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.587293 °	38.587293 °
				-121.464338 °	-121.464338 °
DWR ID	DWR_NA0001_04_s_2012_248				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	2.92	Rating **	U	Issue No.	5
LM End	2.96	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.587251 °	38.587318 °
				-121.463237 °	-121.462513 °
DWR ID	DWR_NA0001_04_s_2012_5				
Comment Code					
BU : Building					
Inspector Comment					
City of Sacramento building. Building is now Sutter's Landing Skate Park.					

Photo 1 of 1 : FA_2016_NA0001_55_5_20160914_00006.jpg



03/16/2012 Sutter's Landing Skate Park.

LM Start	3.19	Rating **	M	Issue No.	767
LM End	3.19	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.588601 °	38.588601 °
				-121.458503 °	-121.458503 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31254					
DS_ID:24330					
EP_NO: 15041					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Hole present on riser located on landward side--contact owner. Additional pipe found in waterward berm. Unable to confirm if this pipe section is part of crossing--size does not match. Unable to find CM standpipe on waterward side.					
FIELD_STRUCT_DESC: 16-inch corrugated metal (CM) drainpipe through the levee. Steel cutoff wall around pipe at center of levee.					
Storm drain gate on landside (LS) shoulder. Drainage ditch on LS. CM standpipe on WS. Rock-filled ditch on WS. (Permit No. 15041-1993)					
FS Date: 12/13/2013					

Photo 1 of 2 : UCIP_FA_2016_31254_57217.jpg



Overview of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	3.19	Rating **	M	Issue No.	767 (cont)	
LM End	3.19	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.588601 °		38.588601 °
				-121.458503 °		-121.458503 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:31254 DS_ID:24330 EP_NO: 15041 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Hole present on riser located on landward side--contact owner. Additional pipe found in waterward berm. Unable to confirm if this pipe section is part of crossing--size does not match. Unable to find CM standpipe on waterward side. FIELD_STRUCT_DESC: 16-inch corrugated metal (CM) drainpipe through the levee. Steel cutoff wall around pipe at center of levee. Storm drain gate on landside (LS) shoulder. Drainage ditch on LS. CM standpipe on WS. Rock-filled ditch on WS. (Permit No. 15041-1993) FS Date: 12/13/2013						

Photo 2 of 2 : UCIP_FA_2016_31254_57219.jpg



Pipe buried by vegetation--unable to determine if pipe goes through levee.

LM Start	3.62	Rating **	M	Issue No.	769
LM End	3.62	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.589033 °	38.589033 °
				-121.451145 °	-121.451145 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:42128 DS_ID:24807 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 11/3/2014 (DWR-Olivia) Need to contact owner to determine status of crossing. Priority under Part IX has been changed from Urgent to Non-Urgent as a measure to normalize the data. Per Title 23 markers are necessary for pressure line--markers present. Recommend LMA to contact owner to determine additional information details--CVFPB permit, depth of pipe through levee, alignment, and last inspection completed confirming integrity of crossing.No permit found. Will need to contact owner to determine the status of crossing. FIELD_STRUCT_DESC: Petroleum pipeline through the levee, unknow depth. Markers visible on waterside (WS). Unable to confirm alignment. Kinder Morgan (Owner) contact information is 916-363-1666. FS Date: 12/13/2013					

Photo 1 of 2 : UCIP_FA_2016_42128_56573.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	3.62	Rating **	M	Issue No.	769 (cont)	
LM End	3.62	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.589033 °	38.589033 °	
				-121.451145 °	-121.451145 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:42128 DS_ID:24807 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 11/3/2014 (DWR-Olivia) Need to contact owner to determine status of crossing. Priority under Part IX has been changed from Urgent to Non-Urgent as a measure to normalize the data. Per Title 23 markers are necessary for pressure line--markers present. Recommend LMA to contact owner to determine additional information details--CVFPB permit, depth of pipe through levee, alignment, and last inspection completed confirming integrity of crossing.No permit found. Willl need to contact owner to determine the status of crossing. FIELD_STRUCT_DESC: Petroleum pipeline through the levee, unknow depth. Markers visible on waterside (WS). Unable to confirm alignment. Kinder Morgan (Owner) contact information is 916-363-1666. FS Date: 12/13/2013						

Photo 2 of 2 : UCIP_FA_2016_42128_56572.jpg



View of landward side.

LM Start	3.71	Rating **	U	Issue No.	251
LM End	3.71	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.588076 °	38.588076 °
				-121.450175 °	-121.450175 °
DWR ID	DWR_NA0001_04_f_2016_251				
Comment Code					
MA : Material					
Inspector Comment					
UPRR removed crossing. Unable to cross the tracks during high water.					

Photo 1 of 1 : FA_2016_NA0001_55_251_20161031_00251.jpg



View of the removed RR crossing on the crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	3.75	Rating **	M	Issue No.	768
LM End	3.75	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.587724 °	38.587724 °
				-121.449554 °	-121.449554 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31255					
DS_ID:24335					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Control box is non-functional parts have been removed. Unable to confirm diameter size and status--City of Sacramento indicates a 24 inch sewer main not 18 inch. Need to contact owner to confirm size.					
FIELD_STRUCT_DESC: 18-inch sewer main through the levee.					
Concrete manhole on the waterside (WS) slope.					
FS Date: 12/13/2013					

Photo 1 of 2 : UCIP_FA_2016_31255_57226.jpg



Approximate alignment provided by City of Sacramento and DWR-UCIP confirmed location of sewer line is indicated by green label.

LM Start	3.75	Rating **	M	Issue No.	768 (cont)
LM End	3.75	Issue Type +	En	Location *	CR

Photo 2 of 2 : UCIP_FA_2016_31255_57223.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	3.88	Rating **	U	Issue No.	773
LM End	3.88	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.586496 °	38.586496 °
				-121.447631 °	-121.447631 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50051
DS_ID:24311
EP_NO: 2805
Repair Type: Urgent
Crossing Status: Indicator Found
UCIP Comments: 8/11/2016 Inspected the crossing with Tim Kerr and Richard Marck, LMA representatives, and it appears that this crossing is not the correct location. The odor could be due to a sewer clean out located on LS toe. Need to do additional research and coordinate with Sacramento County to confirm crossing location. (DWR UCIP - omagana)12/19/2016 bad odor (sewage smell) coming from this area -- potential leak. Unable to confirm if riser on landward side is part of crossing. (DWR UCIP - omagana)
FIELD_STRUCT_DESC: [Co Sanitation District No. 2 Pump Station] 18-inch concrete sewer main through the levee, 9.0 feet below the crown. Concrete cutoff wall around pipe located under waterside (WS) shoulder. 2-inch air release valve located on landside (LS) slope. Sewage pumping plant on LS. Rock revetment on WS slope. Crossing continues under the channel and through the opposite levee. (Permit No. 2805, 1961 - Sacramento County Sanitation District No. 2)
[Additional Reference(s): DWR Levee Log, 2002]
FS Date: 8/11/2016

LM Start	3.88	Rating **	U	Issue No.	773 (cont)
LM End	3.88	Issue Type +	En	Location *	CR

Photo 1 of 2 : UCIP_FA_2016_50051_55292.jpg



View of levee crown section near highway.

Photo 2 of 2 : UCIP_FA_2016_50051_55291.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	3.89	Rating **	M	Issue No.	755
LM End	3.89	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.586479 °	38.586479 °
				-121.447574 °	-121.447574 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:29054					
DS_ID:24337					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Unknown owner--Need to coordinate with DWR Inspector and CVFPB.					
FIELD_STRUCT_DESC: 3-inch PVC conduit through levee, 2.0 feet below the crown.					
FS Date: 12/13/2013					

LM Start	3.89	Rating **	M	Issue No.	755 (cont)
LM End	3.89	Issue Type +	En	Location *	CR

Photo 1 of 2 : UCIP_FA_2016_29054_53588.jpg



Electrical conduit marker located on landward toe.

Photo 2 of 2 : UCIP_FA_2016_29054_53587.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	3.90	Rating **	U	Issue No.	8
LM End	3.90	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.586327 °	38.586327 °
				-121.447373 °	-121.447373 °
DWR ID	DWR_NA0001_04_s_2012_8				
Comment Code					
FE : Fence					
Inspector Comment					
Bamboo privacy fence within 10-ft of the landside toe obstructs visibility.					

LM Start	3.90	Rating **	U	Issue No.	8 (cont)
LM End	3.90	Issue Type +	En	Location *	LS

Photo 1 of 2 : FA_2016_NA0001_55_8_20160914_00009.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

Photo 2 of 2 : FA_2016_NA0001_55_8_20160914_00010.jpg



Fall 2009 photo: Fence and landscaping within 10-ft of levee toe obstructs access and visibility.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	3.92	Rating **	U	Issue No.	6
LM End	3.92	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.586154 °	38.586154 °
				-121.447115 °	-121.447115 °
DWR ID	DWR_NA0001_04_s_2012_6				
Comment Code					
FE : Fence					
Inspector Comment					
Privacy fence within 10-ft of the landside toe obstructs visibility. 04/14/2011 Landscaping has been removed.					

Photo 1 of 1 : FA_2016_NA0001_55_6_20160914_00007.jpg



04/14/2011 Landscaping, which was a Fall inspection issue has been removed, however wooden fence is still obstructing access and visibility.

LM Start	3.93	Rating **	U	Issue No.	9
LM End	3.93	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.586047 °	38.586047 °
				-121.446975 °	-121.446975 °
DWR ID	DWR_NA0001_04_s_2012_9				
Comment Code					
FE : Fence					
Inspector Comment					
Wooden privacy fence on the levee slope obstructs access and visibility.					

Photo 1 of 1 : FA_2016_NA0001_55_9_20160914_00011.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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American River Flood Control District

03/16/2012 Wood privacy fence completely obstructs access and visibility.

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American River Flood Control District

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	4.03	Rating **	U	Issue No.	15
LM End	4.03	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.585021°	38.585021°
				-121.445678°	-121.445678°
DWR ID	DWR_NA0001_04_s_2012_15				
Comment Code					
FE : Fence					
Inspector Comment					
Privacy fence and evergreen shrub landscaping within 10-ft of the levee toe obstruct access and visibility.					

Photo 1 of 1 : FA_2016_NA0001_55_15_20160914_00016.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

LM Start	4.04	Rating **	U	Issue No.	16
LM End	4.04	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.584885 °	38.584885 °
				-121.445520 °	-121.445520 °
DWR ID	DWR_NA0001_04_s_2012_16				
Comment Code					
FE : Fence					
Inspector Comment					
Privacy fence and landscaping within 10-ft of the levee toe obstruct access and visibility.					

Photo 1 of 1 : FA_2016_NA0001_55_16_20160914_00017.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	4.05	Rating **	U	Issue No.	17
LM End	4.05	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.584810 °	38.584810 °
				-121.445403 °	-121.445403 °
DWR ID	DWR_NA0001_04_s_2012_17				
Comment Code					
FE : Fence					
Inspector Comment					
Privacy fence and maple tree landscaping within 10-ft of the levee toe obstruct access and visibility.					

Photo 1 of 1 : FA_2016_NA0001_55_17_20160914_00018.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

LM Start	4.06	Rating **	U	Issue No.	18
LM End	4.06	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.584694 °	38.584694 °
				-121.445255 °	-121.445255 °
DWR ID	DWR_NA0001_04_s_2012_18				
Comment Code					
FE : Fence					
Inspector Comment					
Wooden fence between orange trees is within 10-ft of the levee toe.					

Photo 1 of 1 : FA_2016_NA0001_55_18_20160914_00019.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	4.09	Rating **	U	Issue No.	19
LM End	4.09	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.584459 °	38.584459 °
				-121.444951 °	-121.444951 °
DWR ID	DWR_NA0001_04_s_2012_19				
Comment Code					
FE : Fence					
Inspector Comment					
Privacy fence within 10-ft of the levee toe obstruct access and visibility.					

Photo 1 of 1 : FA_2016_NA0001_55_19_20160914_00020.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

LM Start	4.10	Rating **	M	Issue No.	186
LM End	4.10	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.584354 °	38.584354 °
				-121.444792 °	-121.444792 °
DWR ID	DWR_NA0001_04_s_2012_186				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Landscaping on cyclone fence within 10-ft of levee toe obstructs access and visibility.					

Photo 1 of 1 : FA_2016_NA0001_55_186_20160914_00160.jpg



Fall 2009 photo: Landscaping within 10-ft of levee toe obstructs access and visibility.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	4.11	Rating **	U	Issue No.	20
LM End	4.11	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.584243 °	38.584243 °
				-121.444647 °	-121.444647 °
DWR ID	DWR_NA0001_04_s_2012_20				
Comment Code					
FE : Fence					
Inspector Comment					
Privacy fence and shed within 10-ft of the levee toe obstruct access and visibility.					

Photo 1 of 1 : FA_2016_NA0001_55_20_20160914_00021.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

LM Start	4.12	Rating **	U	Issue No.	21
LM End	4.12	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.584129 °	38.584129 °
				-121.444485 °	-121.444485 °
DWR ID	DWR_NA0001_04_s_2012_21				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Palms and other landscaping on levee slope, as well as the wooden privacy fence within 10-ft of the levee toe obstruct access and visibility. 04/14/2011 Palms have been removed.					

Photo 1 of 1 : FA_2016_NA0001_55_21_20160914_00022.jpg



04/14/2011 Palms have been removed.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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American River Flood Control District

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	4.16	Rating **	M	Issue No.	188
LM End	4.16	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.583749 °	38.583749 °
				-121.443820 °	-121.443820 °
DWR ID	DWR_NA0001_04_s_2012_188				
Comment Code					
FE : Fence					
Inspector Comment					
Cement block fence with iron top built into levee slope. Landscaping within 10-ft of the levee toe obstruct access and visibility.					

No Photos

LM Start	4.18	Rating **	M	Issue No.	189
LM End	4.18	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.583652 °	38.583652 °
				-121.443640 °	-121.443640 °
DWR ID	DWR_NA0001_04_s_2012_189				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Retaining wall is built into the levee slope. Steps, rail and landscaping on the levee slope.					

No Photos

LM Start	4.19	Rating **	U	Issue No.	190
LM End	4.19	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.583559 °	38.583559 °
				-121.443485 °	-121.443485 °
DWR ID	DWR_NA0001_04_s_2012_190				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Planter boxes built into levee slope. Wooden fence obstructs visibility. Pool is just outside 10-ft from levee toe.					

Photo 1 of 1 : FA_2016_NA0001_55_190_20160914_00162.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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American River Flood Control District

04/14/2011 Retaining wall has been removed. Wooden fence remains and is obstructing access and visibility.

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	4.25	Rating **	U	Issue No.	192
LM End	4.25	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.583031 °	38.583031 °
				-121.442620 °	-121.442620 °
DWR ID	DWR_NA0001_04_s _ 2012_192				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Ivy and vine growth on cyclone fence obstruct visibility. Steps and landscaping built up levee slope.					

Photo 1 of 1 : FA_2016_NA0001_55_192_20160914_00164.jpg



03/16/2012 Landscaping on fence obstructs visibility and access.

LM Start	4.27	Rating **	M	Issue No.	193
LM End	4.27	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.582824 °	38.582824 °
				-121.442298 °	-121.442298 °
DWR ID	DWR_NA0001_04_s _ 2012_193				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Landscaping on chain link fence partially obstructs visibility.					

No Photos

LM Start	4.28	Rating **	M	Issue No.	194
LM End	4.28	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.582716 °	38.582716 °
				-121.442128 °	-121.442128 °
DWR ID	DWR_NA0001_04_s _ 2012_194				
Comment Code					
FE : Fence					
Inspector Comment					
Planting boxes built into levee slope. 04/14/2011 Planter boxes removed. Chainlink fence partially obstructs access.					

Photo 1 of 1 : FA_2016_NA0001_55_194_20160914_00165.jpg



04/14/2011 Planter boxes have been removed. Chainlink fence partially blocks access.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	4.31	Rating **	U	Issue No.	26
LM End	4.31	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.582479 °	38.582479 °
				-121.441768 °	-121.441768 °
DWR ID	DWR_NA0001_04_s_2012_26				
Comment Code					
FE : Fence					
Inspector Comment					
Wooden fence within 10-ft of the levee toe. Garden and ramp built on levee slope.					

Photo 1 of 1 : FA_2016_NA0001_55_26_20160914_00026.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

LM Start	4.32	Rating **	M	Issue No.	195
LM End	4.32	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.582333 °	38.582333 °
				-121.441506 °	-121.441506 °
DWR ID	DWR_NA0001_04_s_2012_195				
Comment Code					
FE : Fence					
Inspector Comment					
Landscaping planted on levee slope. 04/14/2011 Landscaping removed, chainlink fence remains.					

Photo 1 of 1 : FA_2016_NA0001_55_195_20160914_00166.jpg



04/14/2011 Landscape removed, chainlink fence remains.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

American River Flood Control District

03/16/2012 Cinder block wall obstructs visibility and access.

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	4.36	Rating **	M	Issue No.	29
LM End	4.36	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.582083 °	38.582083 °
				-121.440875 °	-121.440875 °
DWR ID	DWR_NA0001_04_s_2012_29				
Comment Code					
FE : Fence					
Inspector Comment					
Large flowering bush on levee slope - removed by ARFCD 2012. Retaining wall removed by ARFCD 2012. Wooden fence located at the levee toe obstructs access and visibility. 04/14/2011					

Photo 1 of 1 : FA_2016_NA0001_55_29_20160914_00029.jpg



03/16/2012 Flowering bush is dormant, landscaping on levee slope and wooden privacy fence.

LM Start	4.39	Rating **	M	Issue No.	196
LM End	4.39	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.581937 °	38.581937 °
				-121.440479 °	-121.440479 °
DWR ID	DWR_NA0001_04_s_2012_196				
Comment Code					
FE : Fence					
Inspector Comment					
Picket fence on retaining wall within 10-ft of levee slope obstructs visibility.					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	4.41	Rating **	U	Issue No.	198
LM End	4.41	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.581788 °	38.581788 °
				-121.440086 °	-121.440086 °
DWR ID	DWR_NA0001_04_s_2012_198				
Comment Code					
FE : Fence					
Inspector Comment					
Privacy fence and landscaping within 10-ft of the levee toe obstruct access and visibility.					

Photo 1 of 1 : FA_2016_NA0001_55_198_20160914_00168.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

LM Start	4.42	Rating **	U	Issue No.	30
LM End	4.42	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.581724 °	38.581724 °
				-121.439891 °	-121.439891 °
DWR ID	DWR_NA0001_04_s_2012_30				
Comment Code					
FE : Fence					
Inspector Comment					
Privacy fence and landscaping within 10-ft of the levee toe obstruct access and visibility.					

Photo 1 of 1 : FA_2016_NA0001_55_30_20160914_00030.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	4.45	Rating **	M	Issue No.	241
LM End	4.45	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.581594 °	38.581594 °
				-121.439459 °	-121.439459 °
DWR ID	DWR_NA0001_04_s_2016_241				
Comment Code					
FE : Fence					
Inspector Comment					

No Photos

LM Start	4.47	Rating **	U	Issue No.	31
LM End	4.47	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.581495 °	38.581495 °
				-121.439129 °	-121.439129 °
DWR ID	DWR_NA0001_04_s_2012_31				
Comment Code					
FE : Fence					
Inspector Comment					
Privacy fence within 10-ft of the levee toe obstructs access and visibility.					

Photo 1 of 1 : FA_2016_NA0001_55_31_20160914_00031.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

LM Start	4.50	Rating **	M	Issue No.	33
LM End	4.50	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.581359 °	38.581359 °
				-121.438524 °	-121.438524 °
DWR ID	DWR_NA0001_04_s_2012_33				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Large photinia obstructs visibility.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	4.51	Rating **	M	Issue No.	253
LM End	4.51	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.581320°	38.581320°
				-121.438263°	-121.438263°
DWR ID	DWR_NA0001_04_s_2012_253				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	4.52	Rating **	M	Issue No.	34
LM End	4.52	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.581282 °	38.581282 °
				-121.438169 °	-121.438169 °
DWR ID	DWR_NA0001_04_s_2012_34				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Landscaping on levee slope obstructs visibility.					

No Photos

LM Start	4.53	Rating **	U	Issue No.	35
LM End	4.53	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.581246 °	38.581246 °
				-121.438033 °	-121.438033 °
DWR ID	DWR_NA0001_04_s_2012_35				
Comment Code					
FE : Fence					
Inspector Comment					
Wooden fence within 10-ft of the levee toe obstructs access and visibility.					

Photo 1 of 1 : FA_2016_NA0001_55_35_20160914_00032.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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American River Flood Control District

03/16/2012 Wood privacy fence completely obstructs access and visibility.

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	4.57	Rating **	U	Issue No.	201
LM End	4.57	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.581155 °	38.581155 °
				-121.437320 °	-121.437320 °
DWR ID	DWR_NA0001_04_s_2012_201				
Comment Code					
FE : Fence					
Inspector Comment					
Privacy fence within 10-ft of the levee toe obstruct access and visibility.					

Photo 1 of 1 : FA_2016_NA0001_55_201_20160914_00171.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

LM Start	4.58	Rating **	M	Issue No.	36
LM End	4.58	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.581153 °	38.581153 °
				-121.437079 °	-121.437079 °
DWR ID	DWR_NA0001_04_s_2012_36				
Comment Code					
FE : Fence					
Inspector Comment					
Privacy fence near pump station limits access and visibility.					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	4.61	Rating **	M	Issue No.	761
LM End	4.61	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.581101 °	38.581101 °
				-121.436502 °	-121.436502 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31446 DS_ID:24808 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: New construction--need permit and details on crossing. FIELD_STRUCT_DESC: 1 of 4: Concrete service box located on waterside (WS) shoulder. Landside (LS) has been regraded. No permit was found for the work. Unable to verify if crossing crosses levee. FS Date: 12/13/2013					

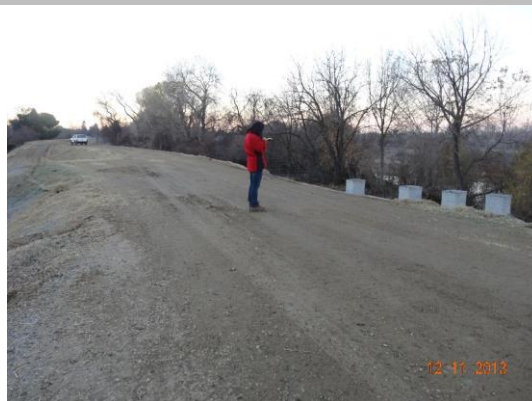
Photo 1 of 2 : UCIP_FA_2016_31446_57490.jpg



View of landward side.

LM Start	4.61	Rating **	M	Issue No.	761 (cont)
LM End	4.61	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2016_31446_57489.jpg



View of regraded levee crown with service boxes on waterward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	4.61	Rating **	M	Issue No.	762
LM End	4.61	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.581092 °	38.581092 °
				-121.436466 °	-121.436466 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31447					
DS_ID:24809					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: New construction; no permit found; Need additional information about crossings to determine whether crossings penetrate levee.					
FIELD_STRUCT_DESC: 2 of 4: Concrete service box located on waterside (WS) shoulder. Landside (LS) has been regraded. No permit was found for the work. Unable to verify if crossing crosses levee.					
FS Date: 12/13/2013					

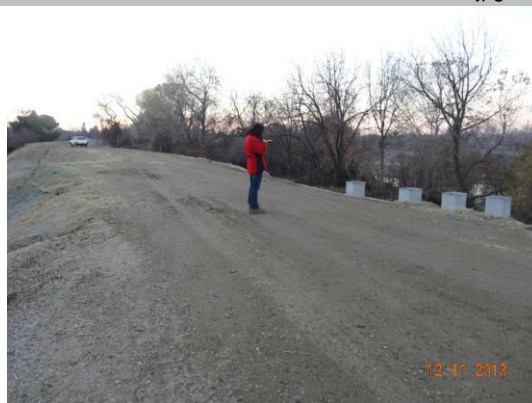
Photo 1 of 2 : UCIP_FA_2016_31447_57493.jpg



View of landward side.

LM Start	4.61	Rating **	M	Issue No.	762 (cont)
LM End	4.61	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2016_31447_57492.jpg



View of levee crown at crossings.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	4.61	Rating **	M	Issue No.	763
LM End	4.61	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.581087 °	38.581087 °
				-121.436449 °	-121.436449 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31448					
DS_ID:24810					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: New construction; no permit found; Need additional information about crossings to determine whether crossings penetrate levee.					
FIELD_STRUCT_DESC: 3 of 4: Concrete service box located on waterside (WS) shoulder. Landside (LS) has been regraded. No permit was found for the work. Unable to verify if crossing crosses levee.					
FS Date: 12/13/2013					

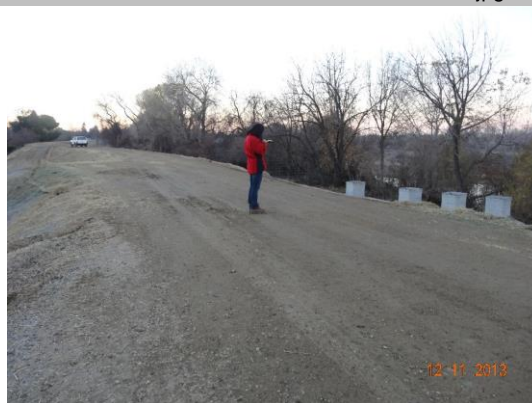
Photo 1 of 2 : UCIP_FA_2016_31448_57496.jpg



View of landward side.

LM Start	4.61	Rating **	M	Issue No.	763 (cont)
LM End	4.61	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2016_31448_57495.jpg



View of levee crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	4.61	Rating **	M	Issue No.	764
LM End	4.61	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.581082 °	38.581082 °
				-121.436431 °	-121.436431 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31449					
DS_ID:24811					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: New construction; no permit found; Need additional information about crossings to determine whether crossing penetrate levee.					
FIELD_STRUCT_DESC: 4 of 4: Concrete service box located on waterside (WS) shoulder. Landside (LS) has been regraded. No permit was found for the work. Unable to verify if crossing crosses levee.					
FS Date: 12/13/2013					

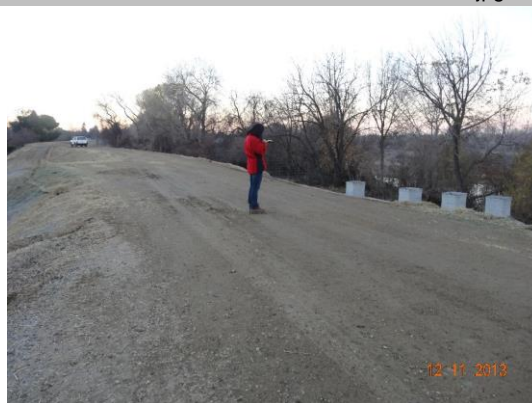
Photo 1 of 2 : UCIP_FA_2016_31449_57499.jpg



View of landward side.

LM Start	4.61	Rating **	M	Issue No.	764 (cont)
LM End	4.61	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2016_31449_57498.jpg



View of levee crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	4.66	Rating **	M	Issue No.	37
LM End	4.66	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.580944 °	38.580944 °
				-121.435651 °	-121.435651 °
DWR ID	DWR_NA0001_04_s_2012_37				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Trees and vines on the levee toe obstruct visibility.					

No Photos

LM Start	4.68	Rating **	M	Issue No.	38
LM End	4.68	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.580910 °	38.580910 °
				-121.435324 °	-121.435324 °
DWR ID	DWR_NA0001_04_s_2012_38				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Landscape planting within 10-ft of the landside toe against 3-ft wooden slat fence.					

No Photos

LM Start	4.70	Rating **	M	Issue No.	39
LM End	4.70	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.580840 °	38.580840 °
				-121.434901 °	-121.434901 °
DWR ID	DWR_NA0001_04_s_2012_39				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Privacy fence and landscaping within 10-ft of the levee toe obstruct access and visibility.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	4.72	Rating **	M	Issue No.	739
LM End	4.72	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.580778 °	38.580778 °
				-121.434467 °	-121.434467 °
DWR ID	DWR_NA0001_04_f_2016_739				
Comment Code					
DE : Debris					
Inspector Comment					
PVC pipe and debris, also noted in USACE PI.					

Photo 1 of 2 : FA_2016_NA0001_55_739_20160914_00191.jpg



View of the previously noted debris stored in the upstream corner of the property. Note extensive burrowing in the backyard on the downstream (right) corner of the property.

LM Start	4.72	Rating **	M	Issue No.	739 (cont)
LM End	4.72	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA_2016_NA0001_55_739_20160914_00192.jpg



11/15/2011 Debris on levee side of fence. This item was noted in the USACE PI.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	4.73	Rating **	U	Issue No.	40
LM End	4.73	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.580759 °	38.580759 °
				-121.434294 °	-121.434294 °
DWR ID	DWR_NA0001_04_s_2012_40				
Comment Code					
FE : Fence					
Inspector Comment					
Privacy fence within 10-ft of the levee toe obstruct access and visibility.					

Photo 1 of 1 : FA_2016_NA0001_55_40_20160914_00033.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

LM Start	4.74	Rating **	M	Issue No.	41
LM End	4.74	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.580753 °	38.580753 °
				-121.434077 °	-121.434077 °
DWR ID	DWR_NA0001_04_s_2012_41				
Comment Code					
FE : Fence					
Inspector Comment					
Privacy fence and landscaping within 10-ft of the levee toe obstruct access and visibility.					

No Photos

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

American River Flood Control District

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	4.83	Rating **	U	Issue No.	205
LM End	4.83	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.580723 °	38.580723 °
				-121.432577 °	-121.432577 °
DWR ID	DWR_NA0001_04_s_2012_205				
Comment Code					
FE : Fence					
Inspector Comment					
Privacy fence and landscape prunings on levee slope and toe.prunings removed. Fence obstructs access and visibility.					

Photo 1 of 1 : FA_2016_NA0001_55_205_20160914_00172.jpg



03/16/2012 Chainlink fence with privacy slats obstructs visibility and access.

LM Start	4.85	Rating **	M	Issue No.	44
LM End	4.85	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.580747 °	38.580747 °
				-121.432039 °	-121.432039 °
DWR ID	DWR_NA0001_04_s_2012_44				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Lemon tree and vines obstruct visibility.					

No Photos

LM Start	4.87	Rating **	U	Issue No.	206
LM End	4.87	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.580778 °	38.580778 °
				-121.431704 °	-121.431704 °
DWR ID	DWR_NA0001_04_s_2012_206				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Fig tree obstructs visibility and access.					

Photo 1 of 1 : FA_2016_NA0001_55_206_20160914_00173.jpg



03/16/2012 Landscaping obstructs visibility and access.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

American River Flood Control District

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	5.08	Rating **	U	Issue No.	46
LM End	5.08	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.581001 °	38.581001 °
				-121.427854 °	-121.427854 °
DWR ID	DWR_NA0001_04_s_2012_46				
Comment Code					
FE : Fence					
Inspector Comment					
Privacy fence and landscaping within 10-ft of the levee toe obstruct access and visibility.					

Photo 1 of 1 : FA_2016_NA0001_55_46_20160914_00037.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

LM Start	5.12	Rating **	U	Issue No.	208
LM End	5.12	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.580913 °	38.580913 °
				-121.427119 °	-121.427119 °
DWR ID	DWR_NA0001_04_s_2012_208				
Comment Code					
FE : Fence					
Inspector Comment					
Privacy fence and landscaping within 10-ft of the levee toe obstruct access and visibility.					

Photo 1 of 1 : FA_2016_NA0001_55_208_20160914_00174.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

American River Flood Control District

03/16/2012 Wood privacy fence completely obstructs access and visibility.

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	5.44	Rating **	U	Issue No.	49
LM End	5.44	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.577589 °	38.577589 °
				-121.423350 °	-121.423350 °
DWR ID	DWR_NA0001_04_s_2012_49				
Comment Code					
FE : Fence					
Inspector Comment					
Wood privacy fence within 10-ft of the levee toe obstruct access and visibility.					

Photo 1 of 1 : FA_2016_NA0001_55_49_20160914_00040.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

LM Start	5.49	Rating **	M	Issue No.	209
LM End	5.49	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.576883 °	38.576883 °
				-121.423216 °	-121.423216 °
DWR ID	DWR_NA0001_04_s_2012_209				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Oleanders within 10-ft of the levee toe obstruct access and visibility.					

No Photos

LM Start	5.56	Rating **	U	Issue No.	197
LM End	5.56	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.575887 °	38.575887 °
				-121.423113 °	-121.423113 °
DWR ID	DWR_NA0001_04_s_2013_197				
Comment Code					
ST : Stairway					
Inspector Comment					
Unpermitted stairs to be removed by ARFCD.					

Photo 1 of 1 : FA_2016_NA0001_55_197_20160914_00167.jpg



View of the stairs on the landside levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	5.60	Rating **	U	Issue No.	52
LM End	5.60	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.575379 °	38.575379 °
				-121.423201 °	-121.423201 °
DWR ID	DWR_NA0001_04_s_2012_52				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Helix sky pencil trees within 10-ft of the levee toe obstruct visibility and access.					

Photo 1 of 1 : FA_2016_NA0001_55_52_20160914_00042.jpg



03/16/2012 Landscaping obstructs visibility and access.

LM Start	5.61	Rating **	U	Issue No.	53
LM End	5.61	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.575250 °	38.575250 °
				-121.423240 °	-121.423240 °
DWR ID	DWR_NA0001_04_s_2012_53				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Wood privacy fence, helix sky pencil, vines and landscaping within 10-ft of the levee toe obstruct access and visibility. Cement stairs up levee slope.					

Photo 1 of 1 : FA_2016_NA0001_55_53_20160914_00043.jpg



03/16/2012 Landscaping and fence obstruct visibility and access.

LM Start	5.62	Rating **	U	Issue No.	54
LM End	5.62	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.575093 °	38.575093 °
				-121.423263 °	-121.423263 °
DWR ID	DWR_NA0001_04_s_2012_54				
Comment Code					
FE : Fence					
Inspector Comment					
Wood privacy fence and landscaping within 10-ft of the levee toe obstruct access and visibility.					

Photo 1 of 1 : FA_2016_NA0001_55_54_20160914_00044.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	5.63	Rating **	U	Issue No.	55
LM End	5.63	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.574837 °	38.574837 °
				-121.423297 °	-121.423297 °
DWR ID	DWR_NA0001_04_s_2012_55				
Comment Code					
FE : Fence					
Inspector Comment					
Wood privacy fence within 10-ft of the levee toe obstructs visibility.					

Photo 1 of 1 : FA_2016_NA0001_55_55_20160914_00045.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

LM Start	5.65	Rating **	U	Issue No.	56
LM End	5.65	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.574648 °	38.574648 °
				-121.423348 °	-121.423348 °
DWR ID	DWR_NA0001_04_s_2012_56				
Comment Code					
BU : Building					
Inspector Comment					
Cement block building on levee slope obstructs access.					

Photo 1 of 1 : FA_2016_NA0001_55_56_20160914_00046.jpg



03/16/2012 Structure within 15' of levee toe.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

American River Flood Control District

American River Flood Control District

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	5.82	Rating **	M	Issue No.	64
LM End	5.82	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.572207 °	38.572207 °
				-121.423933 °	-121.423933 °
DWR ID	DWR_NA0001_04_s_2012_64				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Dense shrubs on levee toe.					

No Photos

LM Start	5.83	Rating **	U	Issue No.	65
LM End	5.83	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.572067 °	38.572067 °
				-121.423970 °	-121.423970 °
DWR ID	DWR_NA0001_04_s_2012_65				
Comment Code					
FE : Fence					
Inspector Comment					
Extended privacy fence and retaining wall within 10-ft of levee toe.					

Photo 1 of 1 : FA_2016_NA0001_55_65_20160914_00051.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

LM Start	5.83	Rating **	C	Issue No.	181
LM End	5.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.572032 °	38.572032 °
				-121.423981 °	-121.423981 °
DWR ID	DWR_NA0001_04_s_2012_181				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
04/14/2011 Large stump at toe of levee. Stump removed.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	5.85	Rating **	U	Issue No.	210
LM End	5.85	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.571733 °	38.571733 °
				-121.424055 °	-121.424055 °
DWR ID	DWR_NA0001_04_s_2012_210				
Comment Code					
FE : Fence					
Inspector Comment					
Privacy fence and retaining wall are within 10-ft of levee toe.					

Photo 1 of 1 : FA_2016_NA0001_55_210_20160914_00175.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

LM Start	5.86	Rating **	U	Issue No.	66
LM End	5.86	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.571586 °	38.571586 °
				-121.424097 °	-121.424097 °
DWR ID	DWR_NA0001_04_s_2012_66				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0001_55_66_20160914_00052.jpg



03/16/2012 Structure is within 15' of levee toe.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	5.87	Rating **	U	Issue No.	68
LM End	5.87	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.571525 °	38.571525 °
				-121.424152 °	-121.424152 °
DWR ID	DWR_NA0001_04_f_2013_68				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Levee slope has been landscaped. This obstructs visibility.					

Photo 1 of 1 : FA_2016_NA0001_55_68_20161031_00250.jpg



Levee slope is heavily landscaped, retaining wall has been constructed at the levee toe.

LM Start	5.88	Rating **	U	Issue No.	70
LM End	5.88	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.571269 °	38.571269 °
				-121.424167 °	-121.424167 °
DWR ID	DWR_NA0001_04_s_2012_70				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Levee slope has been landscaped. This obstructs visibility.					

Photo 1 of 1 : FA_2016_NA0001_55_70_20161031_00249.jpg



View of the vegetation on the landside levee slope.

LM Start	5.89	Rating **	C	Issue No.	69
LM End	5.89	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.571243 °	38.571243 °
				-121.424167 °	-121.424167 °
DWR ID	DWR_NA0001_04_s_2012_69				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Levee slope has been landscaped. This obstructs visibility. Landscaping removed. Fall 2016.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	5.91	Rating **	C	Issue No.	740
LM End	5.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.570940 °	38.570940 °
				-121.424173 °	-121.424173 °
DWR ID	DWR_NA0001_04_s_2012_740				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Stump removed.					

No Photos

LM Start	5.92	Rating **	C	Issue No.	741
LM End	5.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.570800 °	38.570800 °
				-121.424184 °	-121.424184 °
DWR ID	DWR_NA0001_04_s_2012_741				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Stump removed.					

No Photos

LM Start	5.92	Rating **	U	Issue No.	88
LM End	5.92	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.570752 °	38.570752 °
				-121.424219 °	-121.424219 °
DWR ID	DWR_NA0001_04_f_2012_88				
Comment Code					
FE : Fence					
Inspector Comment					
Wooden privacy fence.					

Photo 1 of 1 : FA_2016_NA0001_55_88_20160914_00072.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

American River Flood Control District

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	5.98	Rating **	M	Issue No.	211
LM End	5.98	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.569893 °	38.569893 °
				-121.424310 °	-121.424310 °
DWR ID	DWR_NA0001_04_s_2012_211				
Comment Code					
FE : Fence					
Inspector Comment					
Apartment complex privacy fence and shrubs within 10-ft of the slope obstruct visibility.					

Photo 1 of 1 : FA_2016_NA0001_55_211_20160914_00176.jpg



View of the fence at the landside levee toe.

LM Start	6.21	Rating **	C	Issue No.	249
LM End	6.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.566649 °	38.566649 °
				-121.423730 °	-121.423730 °
DWR ID	DWR_NA0001_04_f_2015_249				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
LMA backfilled rodent holes.					

No Photos

LM Start	6.24	Rating **	C	Issue No.	243
LM End	6.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.566225 °	38.566225 °
				-121.423554 °	-121.423554 °
DWR ID	DWR_NA0001_04_f_2015_243				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
LMA backfilled rodent holes.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	6.24	Rating **	M	Issue No.	164
LM End	6.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.566198 °	38.566198 °
				-121.423528 °	-121.423528 °
DWR ID	DWR_NA0001_04_f_2012_164				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberry bush at levee toe.					

No Photos

LM Start	6.45	Rating **	N	Issue No.	238
LM End	6.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.563231 °	38.563231 °
				-121.422404 °	-121.422404 °
DWR ID	DWR_NA0001_04_f_2015_238				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0001_55_238_20161031_00248.jpg



View of the tree stump at the landside levee toe.

LM Start	6.49	Rating **	N	Issue No.	233
LM End	6.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.562659 °	38.562659 °
				-121.422122 °	-121.422122 °
DWR ID	DWR_NA0001_04_f_2015_233				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

American River Flood Control District

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	6.62	Rating **	M	Issue No.	51
LM End	6.62	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.561117 °	38.561117 °
				-121.420749 °	-121.420749 °
DWR ID	DWR_NA0001_04_f_2013_51				
Comment Code					
MA : Material					
Inspector Comment					
Pipe and other material stored within 10 feet of landside levee toe.					

Photo 1 of 1 : FA_2016_NA0001_55_51_20160914_00041.jpg



View of the material stored at the landside levee toe.

LM Start	6.77	Rating **	M	Issue No.	752
LM End	6.77	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.559450 °	38.559450 °
				-121.418960 °	-121.418960 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:29975					
DS_ID:24349					
EP_NO: 16961					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: No access available due to construction activities--					
need to inspect this section of levee once construction is complete.					
FIELD_STRUCT_DESC: 1 of 2: 48-inch HDPE drainpipe through the					
levee, approximately 2.5 feet below the crown. Siphon breaker on					
shoulder. Outfall strucutre on waterside (WS). Rock revetment on WS					
slope. (Permit No. 16961-2000)					
FS Date: 12/11/2013					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	6.78	Rating **	M	Issue No.	746
LM End	6.78	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.559450 °	38.559450 °
				-121.418960 °	-121.418960 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:29969					
DS_ID:24595					
EP_NO: 16961					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: No access available due to construction activities--need to inspect this section of levee once construction is complete.					
FIELD_STRUCT_DESC: 2 of 2: 48-inch HDPE drainpipe through the levee, approximately 2.5 feet below the crown. Siphon breaker on shoulder. Outfall strucutre on waterside (WS). Rock revetment on WS slope. (Permit No. 16961-2000)					
FS Date: 12/11/2013					

No Photos

LM Start	6.82	Rating **	M	Issue No.	140
LM End	6.94	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.559152 °	38.558115 °
				-121.418108 °	-121.416328 °
DWR ID	DWR_NA0001_04_f_2012_140				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Bushes at waterside hinge obstruct visibility of waterside slope from levee crown.					

Photo 1 of 1 : FA_2016_NA0001_55_140_20160914_00119.jpg



View of landscaping at waterside hinge obstructing visibility.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	6.83	Rating **	M	Issue No.	747
LM End	6.83	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.558960 °	38.558960 °
				-121.418140 °	-121.418140 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:29970 DS_ID:24084 EP_NO: 17671 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No access available due to construction activities-- need to inspect this section of levee once construction is complete. FIELD_STRUCT_DESC: 1 of 2: 60-inch sewer main under the levee at unknown depth. (Permit No. 17671-2003) FS Date: 12/11/2013					

No Photos

LM Start	6.83	Rating **	M	Issue No.	748
LM End	6.83	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.558960 °	38.558960 °
				-121.418140 °	-121.418140 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:29971 DS_ID:24596 EP_NO: 17671 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No access available due to construction activities-- need to inspect this section of levee once construction is complete. FIELD_STRUCT_DESC: 2 of 2: 60-inch sewer main under the levee at unknown depth. (Permit No. 17671-2003) FS Date: 12/11/2013					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	6.83	Rating **	M	Issue No.	749
LM End	6.83	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.559011 °	38.559011 °	
			-121.418079 °	-121.418079 °	
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:29972 DS_ID:24320 EP_NO: 12188 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No access available due to construction activities--need to inspect this section of levee once construction is complete. FIELD_STRUCT_DESC: 60-inch steel sewer main under the levee, approximately 21.6 feet below the crown. Two concrete cutoff walls around pipe under each shoulder. (Permit No. 12188-1979) FS Date: 12/11/2013					

No Photos

LM Start	6.89	Rating **	M	Issue No.	750
LM End	6.89	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.558530 °	38.558530 °	
			-121.417270 °	-121.417270 °	
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:29973 DS_ID:24342 EP_NO: 15357 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No access available due to construction activities--need to inspect this section of levee once construction is complete. FIELD_STRUCT_DESC: [Sacramento American River Filtration Plant] 36-inch waste water line through the levee at crown elevation. A bridged conduit and influent structure across levee. Concrete basin on landside (LS) slope. Concrete structure for pumping plant in channel. Bridge access to structure. Chain-link fence around LS. Rock revetment on waterside (WS) slope. (Permit No. 3588-1963) Repairs to treatment plant and structure foundation under Permit No. 15357 (1991). FS Date: 12/11/2013					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	6.99	Rating **	M	Issue No.	751
LM End	6.99	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.558100 °	38.558100 °
				-121.415420 °	-121.415420 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:29974 DS_ID:24085 EP_NO: 17587 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No access available due to construction activities--need to inspect this section of levee once construction is complete. FIELD_STRUCT_DESC: 54-inch water main through the levee. (Permit No. 17587-2003) FS Date: 12/11/2013					

No Photos

LM Start	7.34	Rating **	M	Issue No.	756
LM End	7.34	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.558197°	38.558197°
				-121.409106°	-121.409106°
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:30023 DS_ID:24319 EP_NO: 3596 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owners to determine how crossing was abandoned. FIELD_STRUCT_DESC: *ABANDONED* [Power Inn Road Plant] 4 of 4: 48-inch corrugated metal (CM) drainpipe through the levee, 20.0 feet below the crown. Two CM cutoff walls around pipe under each shoulder. Slide gate with control pedestal in CM pipe riser on waterside (WS) slope. Slide gate with control pedestal in collection sump on landside (LS). Pumping plant at LS toe. Reinforced concrete discharge box at the toe of the WS slope. Flap gate on WS end. (Permit No. 3596-1962) 60-inch discharge pipe from box across the berm to the riverbank installed under Permit No. 5894 (1970). Pipe abandoned and CM pipe riser cut 2.0 feet below ground surface under Permit No. 3596A (1998). FS Date: 12/11/2013					

Photo 1 of 2 : UCIP_FA_2016_30023_55394.jpg



Overview of levee crown at crossings.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	7.34	Rating **	M	Issue No.	756 (cont)	
LM End	7.34	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.558197°	38.558197°	
				-121.409106°	-121.409106°	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:30023 DS_ID:24319 EP_NO: 3596 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owners to determine how crossing was abandoned. FIELD_STRUCT_DESC: *ABANDONED* [Power Inn Road Plant] 4 of 4: 48-inch corrugated metal (CM) drainpipe through the levee, 20.0 feet below the crown. Two CM cutoff walls around pipe under each shoulder. Slide gate with control pedestal in CM pipe riser on waterside (WS) slope. Slide gate with control pedestal in collection sump on landside (LS). Pumping plant at LS toe. Reinforced concrete discharge box at the toe of the WS slope. Flap gate on WS end. (Permit No. 3596-1962) 60-inch discharge pipe from box across the berm to the riverbank installed under Permit No. 5894 (1970). Pipe abandoned and CM pipe riser cut 2.0 feet below ground surface under Permit No. 3596A (1998). FS Date: 12/11/2013						

Photo 2 of 2 : UCIP_FA_2016_30023_55392.jpg



Signs of crossing repair patch section visible on levee crown.

LM Start	7.65	Rating **	U	Issue No.	74
LM End	7.68	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.559177 °	38.559218 °
				-121.403541 °	-121.402967 °
DWR ID	DWR_NA0001_04_s_2012_74				
Comment Code					
FE : Fence					
Inspector Comment					
Wooden privacy fence for seven apartment units is within 10-ft of levee toe and obstructs access and visibility.					

Photo 1 of 1 : FA_2016_NA0001_55_74_20160914_00058.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	7.69	Rating **	U	Issue No.	75
LM End	7.72	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.559230 °	38.559261 °
				-121.402708 °	-121.402219 °
DWR ID	DWR_NA0001_04_s_2012_75				
Comment Code					
FE : Fence					
Inspector Comment					
Wooden privacy fence for seven apartment units is within 10-ft of levee toe and obstructs access and visibility.					

Photo 1 of 1 : FA_2016_NA0001_55_75_20160914_00059.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

LM Start	7.75	Rating **	U	Issue No.	76
LM End	7.76	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.559308 °	38.559309 °
				-121.401717 °	-121.401388 °
DWR ID	DWR_NA0001_04_s_2012_76				
Comment Code					
FE : Fence					
Inspector Comment					
Wooden privacy fence for seven apartment units is within 10-ft of levee toe and obstructs access and visibility.					

Photo 1 of 1 : FA_2016_NA0001_55_76_20160914_00060.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	7.78	Rating **	U	Issue No.	77
LM End	7.80	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.559330 °	38.559366 °
				-121.401162 °	-121.400683 °
DWR ID	DWR_NA0001_04_s_2012_77				
Comment Code					
FE : Fence					
Inspector Comment					
Wooden privacy fence for seven apartment units is within 10-ft of levee toe and obstructs access and visibility.					

Photo 1 of 1 : FA_2016_NA0001_55_77_20160914_00061.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

LM Start	7.82	Rating **	U	Issue No.	78
LM End	7.84	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.559379 °	38.559435 °
				-121.400354 °	-121.399944 °
DWR ID	DWR_NA0001_04_s_2012_78				
Comment Code					
FE : Fence					
Inspector Comment					
Wooden privacy fence for seven apartment units is within 10-ft of levee toe and obstructs access and visibility.					

Photo 1 of 1 : FA_2016_NA0001_55_78_20160914_00062.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	7.86	Rating **	U	Issue No.	79
LM End	7.88	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.559514 °	38.559643 °
				-121.399700 °	-121.399248 °
DWR ID	DWR_NA0001_04_s_2012_79				
Comment Code					
FE : Fence					
Inspector Comment					
Wooden privacy fence for seven apartment units is within 10-ft of levee toe and obstructs access and visibility.					

Photo 1 of 1 : FA_2016_NA0001_55_79_20160914_00063.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

LM Start	7.90	Rating **	U	Issue No.	80
LM End	7.93	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.559753 °	38.559911 °
				-121.398982 °	-121.398506 °
DWR ID	DWR_NA0001_04_s_2012_80				
Comment Code					
FE : Fence					
Inspector Comment					
Wooden privacy fence for seven apartment units is within 10-ft of levee toe and obstructs access and visibility.					

Photo 1 of 1 : FA_2016_NA0001_55_80_20160914_00064.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	7.93	Rating **	M	Issue No.	223
LM End	7.93	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.559957 °	38.559957 °
				-121.398401 °	-121.398401 °
DWR ID	DWR_NA0001_04_s_2012_223				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Landscaping trees and bushes within 10-ft of levee toe obstruct visibility.					

No Photos

LM Start	7.94	Rating **	U	Issue No.	224
LM End	7.97	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.559994 °	38.560185 °
				-121.398318 °	-121.397845 °
DWR ID	DWR_NA0001_04_s_2012_224				
Comment Code					
FE : Fence					
Inspector Comment					
Wooden privacy fence for seven apartment units is within 10-ft of levee toe and obstructs access and visibility.					

Photo 1 of 1 : FA_2016_NA0001_55_224_20160914_00177.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	7.98	Rating **	U	Issue No.	81
LM End	8.00	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.560281 °	38.560435 °
				-121.397604 °	-121.397239 °
DWR ID	DWR_NA0001_04_s_2012_81				
Comment Code					
FE : Fence					
Inspector Comment					
Wooden privacy fence for seven apartment units is within 10-ft of levee toe and obstructs access and visibility.					

Photo 1 of 1 : FA_2016_NA0001_55_81_20160914_00065.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

LM Start	8.02	Rating **	U	Issue No.	82
LM End	8.02	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.560537 °	38.560537 °
				-121.396912 °	-121.396912 °
DWR ID	DWR_NA0001_04_s_2012_82				
Comment Code					
FE : Fence					
Inspector Comment					
Brick fence is within 10-ft of levee toe, obstructing access and visibility.					

Photo 1 of 1 : FA_2016_NA0001_55_82_20160914_00066.jpg



03/16/2012 Brick wall completely obstructs access and visibility.

LM Start	8.04	Rating **	U	Issue No.	83
LM End	8.04	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.560647 °	38.560647 °
				-121.396660 °	-121.396660 °
DWR ID	DWR_NA0001_04_s_2012_83				
Comment Code					
FE : Fence					
Inspector Comment					
Brick fence is within 10-ft of levee toe and obstructs access and visibility.					

Photo 1 of 1 : FA_2016_NA0001_55_83_20160914_00067.jpg



03/16/2012 Brick wall completely obstructs access and visibility.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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American River Flood Control District

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	8.16	Rating **	U	Issue No.	89
LM End	8.16	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.561467 °	38.561467 °
				-121.394728 °	-121.394728 °
DWR ID	DWR_NA0001_04_s_2012_89				
Comment Code					
FE : Fence					
Inspector Comment					
Fence and landscaping arbor within 10-ft of levee toe obstructs access and visibility.					

Photo 1 of 1 : FA_2016_NA0001_55_89_20160914_00073.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

LM Start	8.17	Rating **	U	Issue No.	90
LM End	8.17	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.561544 °	38.561544 °
				-121.394494 °	-121.394494 °
DWR ID	DWR_NA0001_04_s_2012_90				
Comment Code					
FE : Fence					
Inspector Comment					
Cement block fence within 10-ft of the levee toe.					

Photo 1 of 1 : FA_2016_NA0001_55_90_20160914_00074.jpg



03/16/2012 Cinder block wall completely obstructs access and visibility.

LM Start	8.18	Rating **	U	Issue No.	91
LM End	8.18	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.561593 °	38.561593 °
				-121.394315 °	-121.394315 °
DWR ID	DWR_NA0001_04_s_2012_91				
Comment Code					
FE : Fence					
Inspector Comment					
Concrete block fence and landscaping within 10-ft of levee toe obstructs access and visibility.					

Photo 1 of 1 : FA_2016_NA0001_55_91_20160914_00075.jpg



03/16/2012 Cinder block wall completely obstructs access and visibility.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	8.19	Rating **	U	Issue No.	92
LM End	8.19	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.561658 °	38.561658 °
				-121.394157 °	-121.394157 °
DWR ID	DWR_NA0001_04_s_2012_92				
Comment Code					
FE : Fence					
Inspector Comment					
Cement block fence and landscaping within 10-ft of levee toe obstructs access and visibility.					

Photo 1 of 1 : FA_2016_NA0001_55_92_20160914_00076.jpg



03/16/2012 Cinder block fence completely obstructs access and visibility.

LM Start	8.21	Rating **	U	Issue No.	93	
LM End	8.21	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Encroachments			38.561750 °	38.561750 °	
				-121.393917 °	-121.393917 °	
DWR ID	DWR_NA0001_04_s_2012_93					
Comment Code						
FE : Fence						
Inspector Comment						
Wooden fence, strung tarps, and landscaping within 10-ft of levee toe obstructs access and visibility.						

Photo 1 of 1 : FA_2016_NA0001_55_93_20160914_00077.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	8.21	Rating **	U	Issue No.	94
LM End	8.21	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.561799 °	38.561799 °
				-121.393758 °	-121.393758 °
DWR ID	DWR_NA0001_04_s_2012_94				
Comment Code					
FE : Fence					
Inspector Comment					
Wood privacy fence and pool within 10-ft of levee toe obstructs access and visibility.					

Photo 1 of 1 : FA_2016_NA0001_55_94_20160914_00078.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

LM Start	8.23	Rating **	U	Issue No.	95
LM End	8.23	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.561900 °	38.561900 °
				-121.393547 °	-121.393547 °
DWR ID	DWR_NA0001_04_s_2012_95				
Comment Code					
FE : Fence					
Inspector Comment					
Wood privacy fence within 10-ft of levee toe obstructs access and visibility.					

Photo 1 of 1 : FA_2016_NA0001_55_95_20160914_00079.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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American River Flood Control District

03/16/2012 Wood privacy fence completely obstructs access and visibility.

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	8.26	Rating **	U	Issue No.	99
LM End	8.26	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.562120 °	38.562120 °
				-121.392983 °	-121.392983 °
DWR ID	DWR_NA0001_04_s_ 2012_99				
Comment Code					
FE : Fence					
Inspector Comment					
Wood privacy fence within 10-ft of levee toe obstructs access and visibility.					

Photo 1 of 1 : FA_2016_NA0001_55_99_20160914_00083.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

LM Start	8.27	Rating **	U	Issue No.	100
LM End	8.27	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.562182 °	38.562182 °
				-121.392778 °	-121.392778 °
DWR ID	DWR_NA0001_04_s_ 2012_100				
Comment Code					
FE : Fence					
Inspector Comment					
Wood privacy fence within 10-ft of levee toe obstructs access and visibility.					

Photo 1 of 1 : FA_2016_NA0001_55_100_20160914_00084.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	8.32	Rating **	U	Issue No.	101
LM End	8.32	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.562508 °	38.562508 °
				-121.392037 °	-121.392037 °
DWR ID	DWR_NA0001_04_s_2012_101				
Comment Code					
FE : Fence					
Inspector Comment					
Wood privacy fence within 10-ft of levee toe obstructs access and visibility.					

Photo 1 of 1 : FA_2016_NA0001_55_101_20160914_00085.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

LM Start	8.34	Rating **	C	Issue No.	232
LM End	8.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.562633 °	38.562633 °
				-121.391688 °	-121.391688 °
DWR ID	DWR_NA0001_04_f_2015_232				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
LMA backfilled rodent holes.					

No Photos

LM Start	8.38	Rating **	M	Issue No.	102
LM End	8.38	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.562889 °	38.562889 °
				-121.391042 °	-121.391042 °
DWR ID	DWR_NA0001_04_s_2012_102				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Helix sky pencil along chain link fence is within 10-ft of the levee toe.					

Photo 1 of 1 : FA_2016_NA0001_55_102_20160914_00086.jpg



View of the landscaping at the levee toe.

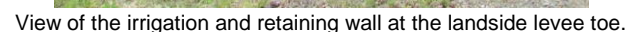
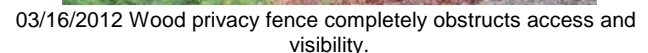
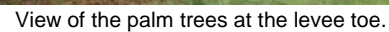
* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

American River Flood Control District

03/16/2012 Wood privacy fence completely obstructs access and visibility.

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American River Flood Control District



American River Flood Control District

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	8.51	Rating **	U	Issue No.	110
LM End	8.51	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.563732 °	38.563732 °
				-121.388930 °	-121.388930 °
DWR ID	DWR_NA0001_04_s_2012_110				
Comment Code					
FE : Fence					
Inspector Comment					
Wood privacy fence within 10-ft of levee toe obstructs access and visibility.					

Photo 1 of 1 : FA_2016_NA0001_55_110_20160914_00094.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

LM Start	8.52	Rating **	M	Issue No.	226
LM End	8.52	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.563793 °	38.563793 °
				-121.388758 °	-121.388758 °
DWR ID	DWR_NA0001_04_s_2012_226				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Garden, trees and cactus planted against the levee toe.					

Photo 1 of 1 : FA_2016_NA0001_55_226_20160914_00179.jpg



View of landscaping at the levee toe.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

American River Flood Control District

03/16/2012 Landscaping on chainlink fence blocks visibility and access.

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American River Flood Control District

03/16/2012 Wood privacy fence completely obstructs access and visibility.

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American River Flood Control District

03/16/2012 Wood privacy fence completely obstructs access and visibility.

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	8.61	Rating **	U	Issue No.	118
LM End	8.61	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.564133 °	38.564133 °
				-121.387092 °	-121.387092 °
DWR ID	DWR_NA0001_04_s_2012_118				
Comment Code					
FE : Fence					
Inspector Comment					
Wood privacy fence within 10-ft of levee toe obstructs access and visibility.					

Photo 1 of 1 : FA_2016_NA0001_55_118_20160914_00102.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

LM Start	8.63	Rating **	U	Issue No.	119
LM End	8.63	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.564217 °	38.564217 °
				-121.386846 °	-121.386846 °
DWR ID	DWR_NA0001_04_s_2012_119				
Comment Code					
FE : Fence					
Inspector Comment					
Wood privacy fence within 10-ft of levee toe obstructs access and visibility.					

Photo 1 of 1 : FA_2016_NA0001_55_119_20160914_00103.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

American River Flood Control District

No Photos

View of the multiple tree stumps at the landside levee toe.

03/16/2012 Chainlink fence with privacy slats and barbed wire obstruct visibility and access.

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	9.31	Rating **	C	Issue No.	32	
LM End	9.31	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			38.566685 °		38.566685 °
				-121.374706 °		-121.374706 °
DWR ID	DWR_NA0001_04_f_2015_32					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						
LMA backfilled rodent holes.						

No Photos

LM Start	9.48	Rating **	M	Issue No.	236
LM End	9.48	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.566948 °	38.566948 °
				-121.371562 °	-121.371562 °
DWR ID	DWR_NA0001_04_s_2012_236				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Landscaping within 10-ft of levee toe.					

Photo 1 of 1 : FA_2016_NA0001_55_236_20160914_00184.jpg



View of the landscaping at the landside levee to obstructing visibility and access.

LM Start	9.48	Rating **	M	Issue No.	237
LM End	9.48	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.566938 °	38.566938 °
				-121.371550 °	-121.371550 °
DWR ID	DWR_NA0001_04_s_2012_237				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Redwoods and ivy along fence within 10-ft of levee toe.					

Photo 1 of 1 : FA_2016_NA0001_55_237_20160914_00185.jpg



View of landscaping at levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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American River Flood Control District

American River Flood Control District

American River Flood Control District

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

American River Flood Control District

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	9.77	Rating **	U	Issue No.	134
LM End	9.77	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.567873 °	38.567873 °
				-121.366410 °	-121.366410 °
DWR ID	DWR_NA0001_04_s_2012_134				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Ivy, hedge and play house is within 10-ft of levee toe.					

Photo 1 of 1 : FA_2016_NA0001_55_134_20160914_00115.jpg



View of landscaping and playhouse.

LM Start	9.81	Rating **	N	Issue No.	222
LM End	9.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.568114 °	38.568114 °
				-121.365747 °	-121.365747 °
DWR ID	DWR_NA0001_04_f_2016_222				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0001_55_222_20161031_00245.jpg



View of the tree stump at the landside levee toe.

LM Start	9.89	Rating **	U	Issue No.	135
LM End	9.89	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.568446 °	38.568446 °
				-121.364385 °	-121.364385 °
DWR ID	DWR_NA0001_04_s_2012_135				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Tall hedge and ivy within 10-ft of landside levee toe.					

Photo 1 of 1 : FA_2016_NA0001_55_135_20160914_00116.jpg



03/16/2012 Landscaping is obstructing visibility.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	9.95	Rating **	M	Issue No.	136
LM End	9.95	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.568714 °	38.568714 °
				-121.363257 °	-121.363257 °
DWR ID	DWR_NA0001_04_s_2012_136				
Comment Code					
FE : Fence					
Inspector Comment					
Wire fence within 10-ft of landside levee toe.					

Photo 1 of 1 : FA_2016_NA0001_55_136_20160914_00117.jpg



View of the fence and tree stump at the landside levee toe.

LM Start	9.96	Rating **	C	Issue No.	239
LM End	9.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.568773 °	38.568773 °
				-121.363057 °	-121.363057 °
DWR ID	DWR_NA0001_04_f_2014_239				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
LMA backfilled rodent holes.					

No Photos

LM Start	10.00	Rating **	U	Issue No.	138
LM End	10.00	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.568953 °	38.568953 °
				-121.362396 °	-121.362396 °
DWR ID	DWR_NA0001_04_s_2012_138				
Comment Code					
FE : Fence					
Inspector Comment					
03/16/2012 Wood privacy fence completely obstructs visibility and access.					

Photo 1 of 1 : FA_2016_NA0001_55_138_20160914_00118.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	10.06	Rating **	U	Issue No.	245
LM End	10.06	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.569247 °	38.569247 °
				-121.361315 °	-121.361315 °
DWR ID	DWR_NA0001_04_s_2014_245				
Comment Code					
FE : Fence					
Inspector Comment					
Rod fence covered with vegetation within 10ft of levee toe.					

Photo 1 of 1 : FA_2016_NA0001_55_245_20160914_00189.jpg



View of the fence at the landside levee toe.

LM Start	10.08	Rating **	U	Issue No.	176
LM End	10.08	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.569293 °	38.569293 °
				-121.361002 °	-121.361002 °
DWR ID	DWR_NA0001_04_s_2012_176				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0001_55_176_20160914_00153.jpg



03/16/2012 Wood structure within 15' of levee toe.

LM Start	10.15	Rating **	C	Issue No.	229
LM End	10.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.569553 °	38.569553 °
				-121.359721 °	-121.359721 °
DWR ID	DWR_NA0001_04_f_2015_229				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
LMA backfilled rodent holes.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	10.24	Rating **	U	Issue No.	141
LM End	10.27	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.569982 °	38.570118 °
				-121.358134 °	-121.357604 °
DWR ID	DWR_NA0001_04_s_2012_141				
Comment Code					
FE : Fence					
Inspector Comment					
Wooden fence behind six apartment units is within 10-ft of levee slope.					

Photo 1 of 1 : FA_2016_NA0001_55_141_20160914_00120.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

LM Start	10.28	Rating **	U	Issue No.	142
LM End	10.30	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.570175 °	38.570229 °
				-121.357390 °	-121.357041 °
DWR ID	DWR_NA0001_04_s_2012_142				
Comment Code					
FE : Fence					
Inspector Comment					
Wooden fence behind six apartment units is within 10-ft of levee slope.					

Photo 1 of 1 : FA_2016_NA0001_55_142_20160914_00121.jpg



Wooden fence behind apartments within 10' of levee toe.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	10.30	Rating **	U	Issue No.	146
LM End	10.32	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.570225 °	38.570245 °
				-121.357014 °	-121.356791 °
DWR ID	DWR_NA0001_04_s_2012_146				
Comment Code					
FE : Fence					
Inspector Comment					
Wooden fence behind 6 apartments.					

Photo 1 of 1 : FA_2016_NA0001_55_146_20160914_00125.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

LM Start	10.32	Rating **	U	Issue No.	143
LM End	10.34	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.570257 °	38.570297 °
				-121.356783 °	-121.356403 °
DWR ID	DWR_NA0001_04_s_2012_143				
Comment Code					
FE : Fence					
Inspector Comment					
Wooden fence behind six apartment units is within 10-ft of levee slope.					

Photo 1 of 1 : FA_2016_NA0001_55_143_20160914_00122.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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American River Flood Control District

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	10.43	Rating **	U	Issue No.	147
LM End	10.43	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.570542 °	38.570542 °
				-121.354772 °	-121.354772 °
DWR ID	DWR_NA0001_04_s_2012_147				
Comment Code					
FE : Fence					
Inspector Comment					
Wooden privacy fence.					

Photo 1 of 1 : FA_2016_NA0001_55_147_20160914_00126.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

LM Start	10.45	Rating **	U	Issue No.	148
LM End	10.45	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.570524 °	38.570524 °
				-121.354359 °	-121.354359 °
DWR ID	DWR_NA0001_04_s_2012_148				
Comment Code					
FE : Fence					
Inspector Comment					
Wooden privacy fence obstructs visibility and access.					

Photo 1 of 1 : FA_2016_NA0001_55_148_20160914_00127.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	10.47	Rating **	M	Issue No.	180
LM End	10.47	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.570397 °	38.570397 °
				-121.354084 °	-121.354084 °
DWR ID	DWR_NA0001_04_s_2012_180				
Comment Code					
FE : Fence					
Inspector Comment					
Chainlink fence partially obstructs, currently visibility is unobstructed.					

Photo 1 of 1 : FA_2016_NA0001_55_180_20160914_00157.jpg



Chainlink fence is partially obstructing visibility and access.

LM Start	10.48	Rating **	U	Issue No.	149
LM End	10.48	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.570234 °	38.570234 °
				-121.353862 °	-121.353862 °
DWR ID	DWR_NA0001_04_s_2012_149				
Comment Code					
FE : Fence					
Inspector Comment					
Wooden privacy fence is within 10-ft of levee toe.					

Photo 1 of 1 : FA_2016_NA0001_55_149_20160914_00128.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

American River Flood Control District

03/16/2012 Wood privacy fence completely obstructs access and visibility.

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	10.52	Rating **	U	Issue No.	152
LM End	10.52	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.569758 °	38.569758 °
				-121.353535 °	-121.353535 °
DWR ID	DWR_NA0001_04_s_2012_152				
Comment Code					
FE : Fence					
Inspector Comment					
Wooden privacy fence within 10-ft of levee toe.					

Photo 1 of 1 : FA_2016_NA0001_55_152_20160914_00131.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

LM Start	10.57	Rating **	U	Issue No.	153
LM End	10.57	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.569166 °	38.569166 °
				-121.353272 °	-121.353272 °
DWR ID	DWR_NA0001_04_s_2012_153				
Comment Code					
FE : Fence					
Inspector Comment					
Wooden privacy fence and ivy within 10-ft of levee toe.					

Photo 1 of 1 : FA_2016_NA0001_55_153_20160914_00132.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	10.57	Rating **	U	Issue No.	154
LM End	10.57	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.569020 °	38.569020 °
				-121.353313 °	-121.353313 °
DWR ID	DWR_NA0001_04_s_2012_154				
Comment Code					
FE : Fence					
Inspector Comment					
Wooden privacy fence within 10-ft of levee toe.					

Photo 1 of 1 : FA_2016_NA0001_55_154_20160914_00133.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

LM Start	10.59	Rating **	M	Issue No.	155
LM End	10.59	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.568892 °	38.568892 °
				-121.353162 °	-121.353162 °
DWR ID	DWR_NA0001_04_s_2012_155				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Trees and bushes are within 10-ft of the levee toe.					

Photo 1 of 1 : FA_2016_NA0001_55_155_20160914_00134.jpg



03/16/2012 Trees and bushes within 10' of levee toe.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	10.60	Rating **	U	Issue No.	156
LM End	10.60	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.568713 °	38.568713 °
				-121.353150 °	-121.353150 °
DWR ID	DWR_NA0001_04_s_2012_156				
Comment Code					
FE : Fence					
Inspector Comment					
Wooden privacy fence and landscaping within 10-ft of levee toe.					

Photo 1 of 1 : FA_2016_NA0001_55_156_20160914_00135.jpg



View of the fence at the landside levee toe obstructing visibility and access.

LM Start	10.61	Rating **	M	Issue No.	157
LM End	10.61	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.568608 °	38.568608 °
				-121.353054 °	-121.353054 °
DWR ID	DWR_NA0001_04_s_2012_157				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Tall hedge and vine on levee toe.					

Photo 1 of 1 : FA_2016_NA0001_55_157_20160914_00136.jpg



03/16/2012 Landscaping obstructs visibility

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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American River Flood Control District

03/16/2012 Wood privacy fence completely obstructs access and visibility.

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American River Flood Control District

No Photos

03/16/2012 Wood privacy fence completely obstructs access and visibility.

View of wood privacy fence completely obstructing access and visibility.

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American River Flood Control District

03/16/2012 Chainlink fence partially blocks visibility.

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American River Flood Control District

View of the fence obstructing visibility and access.

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	10.75	Rating **	U	Issue No.	166
LM End	10.75	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.566705 °	38.566705 °
				-121.352063 °	-121.352063 °
DWR ID	DWR_NA0001_04_s_2012_166				
Comment Code					
FE : Fence					
Inspector Comment					
Wooden privacy fence within 10-ft of levee toe.					

Photo 1 of 1 : FA_2016_NA0001_55_166_20160914_00144.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

LM Start	10.76	Rating **	U	Issue No.	171
LM End	10.76	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.566499 °	38.566499 °
				-121.351952 °	-121.351952 °
DWR ID	DWR_NA0001_04_s_2012_171				
Comment Code					
FE : Fence					
Inspector Comment					
Wooden privacy fence and tall hedge within 10-ft of levee toe.					

Photo 1 of 1 : FA_2016_NA0001_55_171_20160914_00149.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	10.77	Rating **	U	Issue No.	169
LM End	10.77	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.566399 °	38.566399 °
				-121.351931 °	-121.351931 °
DWR ID	DWR_NA0001_04_s_2012_169				
Comment Code					
FE : Fence					
Inspector Comment					
Wooden privacy fence within 10-ft of levee toe.					

Photo 1 of 1 : FA_2016_NA0001_55_169_20160914_00147.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

LM Start	10.78	Rating **	U	Issue No.	167
LM End	10.78	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.566233 °	38.566233 °
				-121.351848 °	-121.351848 °
DWR ID	DWR_NA0001_04_s_2012_167				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Wooden privacy fence ivy and vine planted within 10-ft of levee toe.					

Photo 1 of 1 : FA_2016_NA0001_55_167_20160914_00145.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/26/2016 10/27/2016	Maksim Khashchuk

LM Start	10.80	Rating **	U	Issue No.	165
LM End	10.80	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.566044 °	38.566044 °
				-121.351747 °	-121.351747 °
DWR ID	DWR_NA0001_04_s_2012_165				
Comment Code					
FE : Fence					
Inspector Comment					
Wooden privacy fence within 10-ft of levee toe.					

Photo 1 of 1 : FA_2016_NA0001_55_165_20160914_00143.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

LM Start	10.81	Rating **	U	Issue No.	168
LM End	10.83	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.565917 °	38.565646 °
				-121.351682 °	-121.351532 °
DWR ID	DWR_NA0001_04_s_2012_168				
Comment Code					
FE : Fence					
Inspector Comment					
Wooden privacy fence within 10-ft of levee toe.					

Photo 1 of 1 : FA_2016_NA0001_55_168_20160914_00146.jpg



03/16/2012 Wood privacy fence completely obstructs access and visibility.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2016 Levee Inspection Results

American River Flood Control District

Waterway			Bank	Unit Miles
Unit No. 05 Sacramento River			Left	0.41
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	2/29/2016 - 2/29/2016		10/27/2016 - 10/27/2016	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By	Richard Marck ARFCD		Richard Marck ARFCD	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Sacramento River	Left	0.41	10/27/2016 10/27/2016	Maksim Khashchuk

LM Start	0.10	Rating **	U	Issue No.	2
LM End	0.17	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.595044 °	38.594117 °
				-121.506497 °	-121.506377 °
DWR ID	DWR_NA0001_05_s_2012_2				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Landcaping behind Best Western.					

Photo 1 of 1 : FA_2016_NA0001_56_2_20161031_00004.jpg



View of the landscaping on the landside levee slope obstructing visibility and access.

LM Start	0.13	Rating **	C	Issue No.	1
LM End	0.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.594631 °	38.594631 °
				-121.506382 °	-121.506382 °
DWR ID	DWR_NA0001_05_s_2016_1				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Sacramento River	Left	0.41	10/27/2016 10/27/2016	Maksim Khashchuk

LM Start	0.27	Rating **	M	Issue No.	5
LM End	0.35	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.592630 °	38.591517 °
				-121.505850 °	-121.505447 °
DWR ID	DWR_NA0001_05_s_2012_5				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Landscaping at City intake facility.					

Photo 1 of 1 : FA_2016_NA0001_56_5_20160914_00003.jpg



View of the landscaping on the landside levee slope at the City intake facility.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2016 Levee Inspection Results

American River Flood Control District

Waterway			Bank	Unit Miles
Unit No. 06 Linda Creek			Left	1.30
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	2/29/2016 - 2/29/2016		10/21/2016 - 10/21/2016	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By	Richard Marck ARFCD		Richard Marck ARFCD	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

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<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 Linda Creek	Left	1.30	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	0.04	Rating **	A	Issue No.	8
LM End	0.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.657360 °	38.661122 °
				-121.474031 °	-121.460586 °
DWR ID	DWR_NA0001_06_f_2016_8				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Acceptable vegetation control.					

Photo 1 of 1 : FA_2016_NA0001_57_8_20161031_00007.jpg



View of the vegetation on the waterside levee slope.

LM Start	0.75	Rating **	M	Issue No.	10
LM End	0.75	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.660518 °	38.660518 °
				-121.461826 °	-121.461826 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:30706 DS_ID:24812 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to confirm if line goes through levee or along landward slope. No permit found. FIELD_STRUCT_DESC: Storm drain manhole located on landside (LS). FS Date: 12/20/2013					

Photo 1 of 2 : UCIP_FA_2016_30706_56559.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 Linda Creek	Left	1.30	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	0.75	Rating **	M	Issue No.	10 (cont)
LM End	0.75	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.660518 °	38.660518 °
				-121.461826 °	-121.461826 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:30706 DS_ID:24812 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to confirm if line goes through levee or along landward slope. No permit found. FIELD_STRUCT_DESC: Storm drain manhole located on landside (LS). FS Date: 12/20/2013					

Photo 2 of 2 : UCIP_FA_2016_30706_56558.jpg



Manhole located on landward slope.

LM Start	0.84	Rating **	M	Issue No.	9
LM End	0.84	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.661156 °	38.661156 °
				-121.460475 °	-121.460475 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:29223					
DS_ID:24354					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Unable to find CM riser and flap gate on waterward end--need to contact owner to determine status of crossing. Manhole found on landward side however unable to determine if manhole is part of this crossing.					
FIELD_STRUCT_DESC: 24-inch pipe through the levee, 12.5 feet below the crown. Two corrugated metal (CM) cutoff walls around pipe. Slide gate in CM riser and flap gate at waterside (WS) end. Concrete headwalls on both ends. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 440+50).					
FS Date: 12/20/2013					

Photo 1 of 2 : UCIP_FA_2016_29223_54002.jpg



View of waterward side--no evidence of crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 Linda Creek	Left	1.30	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	0.84	Rating **	M	Issue No.	9 (cont)	
LM End	0.84	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.661156 °	38.661156 °	
				-121.460475 °	-121.460475 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:29223 DS_ID:24354 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to find CM riser and flap gate on waterward end--need to contact owner to determine status of crossing. Manhole found on landward side however unable to determine if manhole is part of this crossing. FIELD_STRUCT_DESC: 24-inch pipe through the levee, 12.5 feet below the crown. Two corrugated metal (CM) cutoff walls around pipe. Slide gate in CM riser and flap gate at waterside (WS) end. Concrete headwalls on both ends. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 440+50). FS Date: 12/20/2013						

Photo 2 of 2 : UCIP_FA_2016_29223_54001.jpg



View of landward side--manhole on landward toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2016 Levee Inspection Results

American River Flood Control District

Waterway			Bank	Unit Miles
Unit No. 07 Arcade Creek			Right	1.93
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	2/29/2016 - 2/3/2016		10/21/2016 - 10/21/2016	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By	Richard Marck ARFCD		Richard Marck ARFCD	

Summer & Winter Inspections

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.93	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	0.04	Rating **	M	Issue No.	38
LM End	0.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.620569 °	38.620569 °
				-121.467117 °	-121.467117 °
DWR ID	DWR_NA0001_07_f_2015_38				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0001_58_38_20160914_00031.jpg



View of the landside levee slope damaged by motorized traffic.

LM Start	0.07	Rating **	A	Issue No.	36
LM End	0.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.620848 °	38.624987 °
				-121.466817 °	-121.457526 °
DWR ID	DWR_NA0001_07_f_2016_36				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Acceptable vegetation control.					

Photo 1 of 1 : FA_2016_NA0001_58_36_20161031_00049.jpg



View of the vegetation on the waterside levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.93	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	0.71	Rating **	U	Issue No.	48
LM End	0.71	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.624843 °	38.624843 °
				-121.457097 °	-121.457097 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:49931
DS_ID:24363
EP_NO: 3417
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 8/11/2016 Markers still missing. LMA representatives, Tim Kerr and Richard Marck, provided permit for PG&E line to be raised to 200-year water surface elevation. Pipe will be raised on both the right and left banks. Depth below the crown will need to be updated once construction is completed. (DWR UCIP - omagana)12/19/2013
Missing gas line markers -- need to contact owner to determine status. (DWR UCIP - omagana)
FIELD_STRUCT_DESC: 4-inch steel gas line through the levee, 2 feet below the crown. Corrugated metal (CM) cutoff wall around pipe at the center of the levee. 4-inch gate valve will be installed on the LS approximately 355 feet from levee crown (near Fairbanks Avenue and Norwood Avenue). (4-inch pipe installed under Permit No. 3417, 1961 - Pacific Gas and Electric Company [PG&E]; 4-inch pipe removed and replaced under Permit 18641, 2011 - PG&E; 4-inch pipe through levee (both right and left bank) raised above the 200-year water surface elevation under Permit No. 18641-1, 2016 - PG&E) [Additional Reference(s): DWR Levee Log, 2002]
FS Date: 8/11/2016

LM Start	0.71	Rating **	U	Issue No.	48 (cont)
LM End	0.71	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_FA_2016_49931_54061.jpg



Norwood Avenue Bridge

Photo 2 of 2 : UCIP_FA_2016_49931_54062.jpg



View of pipe attached to bridge.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.93	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	1.24	Rating **	M	Issue No.	46
LM End	1.24	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.625785 °	38.625785 °
				-121.447464 °	-121.447464 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40803					
DS_ID:24447					
EP_NO: 16466					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to contact owner to determine if crossings are at this location are associated with Permit number 16466--unable to confirm crossings.					
FIELD_STRUCT_DESC: Two 6-inch and one 2-inch concrete encased steel utility conduits through the levee, all approximately 2.0 feet below the crown. Manhole on the levee crown. (Permit No. 16466-1995)					
FS Date: 12/20/2013					

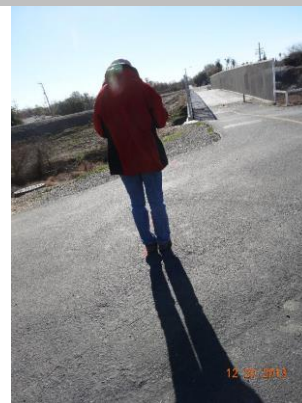
LM Start	1.24	Rating **	M	Issue No.	46 (cont)
LM End	1.24	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_FA_2016_40803_48512.jpg



Underground Service Alert (USA) marking present on pavement however, unable to verify crossings.

Photo 2 of 2 : UCIP_FA_2016_40803_48511.jpg



View of levee crown and estimate where crossings cross levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.93	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	1.31	Rating **	M	Issue No.	45
LM End	1.31	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.626198 °	38.626198 °
				-121.446321 °	-121.446321 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:29275 DS_ID:24553 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Only manhole present--need to coordinate with owner to determine if crossing is still presnt and whether manhole corresponds to this crossing. FIELD_STRUCT_DESC: 8-inch (not 10-inch as indicated in desk study) sewer pipe through the levee, 7.5 feet below the crown. Floodgates within the levee across the channel, installed under Permit No. 14480 (1986). FS Date: 12/20/2013					

Photo 1 of 1 : UCIP_FA_2016_29275_54199.jpg



Manhole visible on landward side.

LM Start	1.33	Rating **	U	Issue No.	49
LM End	1.33	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.626218 °	38.626218 °
				-121.446318 °	-121.446318 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:49933 DS_ID:24443 EP_NO: 15152 Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: 8/11/2016 Markers still missing. Will need to update depth below crown once construction is completed. (DWR UCIP - omagana)12/20/2013 Unable to confirm if crossing is the same one authorized through permit. (DWR UCIP - omagana) FIELD_STRUCT_DESC: 4-inch steel gas main through the levee, 2.5 feet below the crown. Vent is located on the waterside (WS) shoulder. (4-inch line installed under Permit No. 15152, 1989 - Pacific Gas and Electric Company [PG&E]; 4-inch will be raised above the 200-year water surface elevation within the levee crown under Permit No. 15152-1, 2016 - PG&E) FS Date: 8/11/2016					

Photo 1 of 2 : UCIP_FA_2016_49933_75853.jpg



View of WS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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American River Flood Control District

American River Flood Control District

American River Flood Control District

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.93	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	1.60	Rating **	M	Issue No.	47
LM End	1.60	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.627760 °	38.627760 °
				-121.441593 °	-121.441593 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:46795 DS_ID:24835 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 11/12/15 Markers have been installed on both levees--confirmed during 2015 DWR Fall Inspection. Need to coordinate with PG&E to determine permit for this crossing.12/19/13 Gas line - no markers visible. No permit available. FIELD_STRUCT_DESC: 2 of 2: 6-inch pipe through the levee and under the channel at an unknown depth. FS Date: 12/20/2013					

Photo 1 of 2 : UCIP_FA_2016_46795_74733.jpg



Markers installed through both levees in 2015.

LM Start	1.60	Rating **	M	Issue No.	47 (cont)
LM End	1.60	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2016_46795_57525.jpg



Underground service alert (USA) markings visible on floodwall.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.93	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	1.61	Rating **	M	Issue No.	29
LM End	1.61	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.627733 °	38.627733 °
				-121.441415 °	-121.441415 °
DWR ID	DWR_NA0001_07_s_2012_29				
Comment Code					
FE : Fence					
Inspector Comment					
Privacy fence is within 10-ft of the levee toe.					

Photo 1 of 1 : FA_2016_NA0001_58_29_20160914_00027.jpg



11/17/2011 Privacy fence is constructed at the toe.

LM Start	1.62	Rating **	C	Issue No.	39
LM End	1.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.627711 °	38.627711 °
				-121.441210 °	-121.441210 °
DWR ID	DWR_NA0001_07_f_2015_39				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	1.63	Rating **	U	Issue No.	27
LM End	1.63	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.627681 °	38.627681 °
				-121.441021 °	-121.441021 °
DWR ID	DWR_NA0001_07_s_2012_27				
Comment Code					
FE : Fence					
Inspector Comment					
Privacy fence and overgrown trees are within 10-ft of the levee toe.					

Photo 1 of 1 : FA_2016_NA0001_58_27_20160914_00025.jpg



11/17/2011 Privacy fence is constructed at the toe.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

American River Flood Control District

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.93	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	1.66	Rating **	U	Issue No.	40
LM End	1.66	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.627727 °	38.627727 °
				-121.440442 °	-121.440442 °
DWR ID	DWR_NA0001_07_s_2016_40				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0001_58_40_20160914_00033.jpg



View of the fence at the landside levee toe.

LM Start	1.67	Rating **	M	Issue No.	41
LM End	1.67	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.627803 °	38.627803 °
				-121.440270 °	-121.440270 °
DWR ID	DWR_NA0001_07_s_2016_41				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0001_58_41_20160914_00034.jpg



View of the fence at the landside levee toe.

LM Start	1.68	Rating **	U	Issue No.	44
LM End	1.68	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.627874 °	38.627874 °
				-121.440134 °	-121.440134 °
DWR ID	DWR_NA0001_07_s_2016_44				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0001_58_44_20160914_00036.jpg



View of the fence at the landside levee toe.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

American River Flood Control District

American River Flood Control District

American River Flood Control District

* Location	** Rating	+ Issue Type
LS : Land Side	A : Acceptable	Ma : Maintenance Deficiency
N/A : Not Applicable	N : Not Inspected/Rated	Ob : Design & System Obsolescence
WS : Water Side	M : Minimally Acceptable	En : Enforcement
CR : Crown	U : Unacceptable	
	A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.93	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	1.82	Rating **	U	Issue No.	13
LM End	1.82	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.628303 °	38.628303 °
				-121.437693 °	-121.437693 °
DWR ID	DWR_NA0001_07_s_2012_13				
Comment Code					
FE : Fence					
Inspector Comment					
Chain link privacy fence is within 10-ft of levee toe.					

Photo 1 of 1 : FA_2016_NA0001_58_13_20160914_00014.jpg



11/17/2011 Privacy fence is located at the toe.

LM Start	1.83	Rating **	U	Issue No.	14
LM End	1.83	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.628303 °	38.628303 °
				-121.437530 °	-121.437530 °
DWR ID	DWR_NA0001_07_s_2012_14				
Comment Code					
FE : Fence					
Inspector Comment					
Chain link privacy fence is within 10-ft of levee toe.					

Photo 1 of 1 : FA_2016_NA0001_58_14_20160914_00015.jpg



Fall 2009 photo of privacy fence within 10-ft of the levee toe obstructs visibility and access.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.93	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	1.84	Rating **	U	Issue No.	15
LM End	1.84	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.628295 °	38.628295 °
				-121.437282 °	-121.437282 °
DWR ID	DWR_NA0001_07_s_2012_15				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Dense ivy growing on chain link fence within 10-ft of levee toe.					

LM Start	1.84	Rating **	U	Issue No.	15 (cont)
LM End	1.84	Issue Type +	En	Location *	LS

Photo 1 of 2 : FA_2016_NA0001_58_15_20160914_00016.jpg



11/17/2011 Dense vegetation at the toe.

Photo 2 of 2 : FA_2016_NA0001_58_15_20160914_00017.jpg



Fall 2009 photo of dense ivy and fence obstruct visibility and access.

LM Start	1.86	Rating **	U	Issue No.	16
LM End	1.86	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.628262 °	38.628262 °
				-121.436985 °	-121.436985 °
DWR ID	DWR_NA0001_07_s_2012_16				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Dense ivy and trees along chain link fence on levee toe. Large building is within 10-ft of levee toe.					

Photo 1 of 1 : FA_2016_NA0001_58_16_20160914_00018.jpg



11/17/2011 Vegetation and building obstruct visibility and access to the levee toe.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

American River Flood Control District

11/17/2011 Building and landscaping are too close to the levee toe.

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2016 Levee Inspection Results

American River Flood Control District

Waterway			Bank	Unit Miles
Unit No. 08 Magpie Creek Diversion			Left	1.44
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	2/29/2016 - 2/29/2016		10/21/2016 - 10/21/2016	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By	Richard Marck ARFCD		Richard Marck ARFCD	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

American River Flood Control District

No Photos

View of the chainlink fence at landside levee toe facing downstream.

View of the building within 10 feet of landside levee toe, facing downstream.

Page 1 of 7

American River Flood Control District

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Magpie Creek Diversion	Left	1.44	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	0.51	Rating **	U	Issue No.	1
LM End	1.03	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.668132 °	38.665528 °
				-121.438229 °	-121.431688 °
DWR ID	DWR_NA0001_08_s_2012_1				
Comment Code					
MA : Material					
Inspector Comment					
This portion of the levee is inaccessible for maintenance.					

Photo 1 of 1 : FA_2016_NA0001_59_1_20160914_00001.jpg



View from downstream end of inaccessible portion of Magpie Creek due to landowner restrictions. There is no levee for ARFCD to maintain at this location. However, the channel maintenance is the responsibility of Sacramento Yard, State DWR.

LM Start	1.21	Rating **	M	Issue No.	20
LM End	1.21	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.662860 °	38.662860 °
				-121.431671 °	-121.431671 °
DWR ID	DWR_NA0001_08_s_2014_20				
Comment Code					
PO : Pole					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0001_59_20_20160914_00008.jpg



View of the pole on landside levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Magpie Creek Diversion	Left	1.44	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	1.22	Rating **	M	Issue No.	2
LM End	1.31	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.662715 °	38.661584 °
				-121.431666 °	-121.431402 °
DWR ID	DWR_NA0001_08_s_ 2012_2				
Comment Code					
FE : Fence					
Inspector Comment					
Barbed wire fence runs along the levee toe.					

Photo 1 of 1 : FA_2016_NA0001_59_2_20160914_00002.jpg



11/17/2011 Barbed wire fence at levee toe.

LM Start	1.28	Rating **	M	Issue No.	24
LM End	1.28	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.661843 °	38.661843 °
				-121.431675 °	-121.431675 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:30689 DS_ID:24815 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: unable to confirm if conduit or gas line cross levee or flag identifying problem areas. Need additional information. FIELD_STRUCT_DESC: Underground service alert (USA) markers found on waterside (WS) and landside (LS) during field inspection. FS Date: 12/20/2013					

Photo 1 of 2 : UCIP_FA_2016_30689_56509.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Magpie Creek Diversion	Left	1.44	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	1.28	Rating **	M	Issue No.	24 (cont)
LM End	1.28	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.661843 °	38.661843 °
				-121.431675 °	-121.431675 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:30689 DS_ID:24815 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: unable to confirm if conduit or gas line cross levee or flag identifying problem areas. Need additional information. FIELD_STRUCT_DESC: Underground service alert (USA) markers found on waterside (WS) and landside (LS) during field inspection. FS Date: 12/20/2013					

Photo 2 of 2 : UCIP_FA_2016_30689_56508.jpg



View of landward side.

LM Start	1.30	Rating **	M	Issue No.	7
LM End	1.33	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.661593 °	38.661370 °
				-121.431420 °	-121.430943 °
DWR ID	DWR_NA0001_08_s_2012_7				
Comment Code					
FE : Fence					
Inspector Comment					
Cyclone fence with barbed wire within 10' of toe for part of its alignment.					

Photo 1 of 1 : FA_2016_NA0001_59_7_20160914_00005.jpg



11/17/2011 Chainlink fence at levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Magpie Creek Diversion	Left	1.44	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	1.39	Rating **	M	Issue No.	8	
LM End	1.43	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.660968 °		38.660828 °
				-121.430023 °		-121.429428 °
DWR ID	DWR_NA0001_08_s_2013_8					
Comment Code						
FE : Fence						
Inspector Comment						
Cyclone fence alignment returns to within 10' of toe.						

Photo 1 of 1 : FA_2016_NA0001_59_8_20160914_00006.jpg



11/17/2011 Chainlink fence alignment returns to the levee toe.

LM Start	1.40	Rating **	M	Issue No.	23
LM End	1.40	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.660913 °	38.660913 °
				-121.429900 °	-121.429900 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:29329 DS_ID:24384 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Non-functional crossing--need to coordinate with owner, DWR-Inspector, and CVFPB to determine how to properly abandon crossing. FIELD_STRUCT_DESC: *ABANDONED* 24-inch pipe through the levee, 8.0 feet below the crown. Two CM cutoff walls around pipe. Slide gate in 30-inch CM riser and flap gate at waterside (WS) end. Concrete "U" headwall and splash apron on WS end. Landside (LS) end cutoff and plugged, riser filled with dirt. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 72+10). FS Date: 12/20/2013					

Photo 1 of 2 : UCIP_FA_2016_29329_54333.jpg



View of riser with slide gate located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Magpie Creek Diversion	Left	1.44	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	1.40	Rating **	M	Issue No.	23 (cont)	
LM End	1.40	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.660913 °	38.660913 °	
				-121.429900 °	-121.429900 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:29329						
DS_ID:24384						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Non-functional crossing--need to coordinate with owner, DWR-Inspector, and CVFPB to determine how to properly abandon crossing.						
FIELD_STRUCT_DESC: *ABANDONED* 24-inch pipe through the levee, 8.0 feet below the crown. Two CM cutoff walls around pipe. Slide gate in 30-inch CM riser and flap gate at waterside (WS) end. Concrete "U" headwall and splash apron on WS end. Landside (LS) end cutoff and plugged, riser filled with dirt. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 72+10).						
FS Date: 12/20/2013						

Photo 2 of 2 : UCIP_FA_2016_29329_54332.jpg



Slide gate non-functional--riser filled with soil.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2016 Levee Inspection Results

American River Flood Control District

Waterway			Bank	Unit Miles
Unit No. 09 American River			Right	4.20
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	3/1/2016 - 3/1/2016		10/21/2016 - 10/26/2016	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By	Richard Marck ARFCD		Richard Marck ARFCD	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 American River	Right	4.20	10/21/2016 10/26/2016	Maksim Khashchuk

LM Start	0.34	Rating **	N	Issue No.	30
LM End	0.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.567267 °	38.567267 °
				-121.389069 °	-121.389069 °
DWR ID	DWR_NA0001_09_s_2016_30				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0001_60_30_20161031_00044.jpg



View of the tree stump on the landside levee toe.

LM Start	0.40	Rating **	N	Issue No.	12
LM End	0.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.566725 °	38.566725 °
				-121.389935 °	-121.389935 °
DWR ID	DWR_NA0001_09_f_2013_12				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0001_60_12_20160914_00003.jpg



View of the tree stump at the landside levee toe.

LM Start	0.45	Rating **	N	Issue No.	14
LM End	0.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.566298 °	38.566298 °
				-121.390680 °	-121.390680 °
DWR ID	DWR_NA0001_09_s_2012_14				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Tree trunk at fence line.					

Photo 1 of 1 : FA_2016_NA0001_60_14_20161031_00043.jpg



Tree trunk at fence line.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 American River	Right	4.20	10/21/2016 10/26/2016	Maksim Khashchuk

LM Start	1.29	Rating **	M	Issue No.	31
LM End	1.29	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.562285 °	38.562285 °
				-121.405265 °	-121.405265 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:29347					
DS_ID:24394					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Need to contact owner to determine status of crossing.					
FIELD_STRUCT_DESC: *ABANDONED* 12-inch steel pipe through the levee, 14.0 feet below the crown. Riser unit on waterside (WS). (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 296+85). Pipe abandonment was referenced in Permit No. 4622 (1964).					
FS Date: 12/5/2013					

Photo 1 of 2 : UCIP_FA_2016_29347_54363.jpg



View of landward side.

LM Start	1.29	Rating **	M	Issue No.	31 (cont)
LM End	1.29	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2016_29347_54362.jpg



View of waterward side--tall riser located approximately 200 feet away.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 American River	Right	4.20	10/21/2016 10/26/2016	Maksim Khashchuk

LM Start	1.88	Rating **	A/W	Issue No.	28
LM End	1.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.561171 °	38.561171 °
				-121.415808 °	-121.415808 °
DWR ID	DWR_NA0001_09_s_2016_28				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0001_60_28_20160914_00007.jpg



View of the landside levee slope.

LM Start	1.93	Rating **	M	Issue No.	32
LM End	1.93	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.560889 °	38.560889 °
				-121.417196 °	-121.417196 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:29351					
DS_ID:24597					
EP_NO: 17587					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Unable to confirm if riser belongs to this crossing--need to coordinate with owner to determine specifics. Description needs to be updated.					
FIELD_STRUCT_DESC: 54-inch water main through the levee at unknown depth. (Permit No. 17587-2003)					
FS Date: 12/5/2013					

Photo 1 of 2 : UCIP_FA_2016_29351_54369.jpg



Three risers located on waterward berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 American River	Right	4.20	10/21/2016 10/26/2016	Maksim Khashchuk

LM Start	1.93	Rating **	M	Issue No.	32 (cont)
LM End	1.93	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.560889 °	38.560889 °
				-121.417196 °	-121.417196 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:29351 DS_ID:24597 EP_NO: 17587 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to confirm if riser belongs to this crossing--need to coordinate with owner to determine specifics. Description needs to be updated. FIELD_STRUCT_DESC: 54-inch water main through the levee at unknown depth. (Permit No. 17587-2003) FS Date: 12/5/2013					

Photo 2 of 2 : UCIP_FA_2016_29351_54368.jpg



View of waterward berm looking toward levee crown from waterward berm edge.

LM Start	1.95	Rating **	M	Issue No.	34
LM End	1.95	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.561064 °	38.561064 °
				-121.417323 °	-121.417323 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:30124 DS_ID:24395 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: unable to confirm crossing--need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: 60-inch sewer main through the American River overflow area. Erosion protection and rock revetment on waterside (WS) slope added under Permit No. 14487 (1986). FS Date: 12/5/2013					

Photo 1 of 2 : UCIP_FA_2016_30124_55522.jpg



View of berm on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 American River	Right	4.20	10/21/2016 10/26/2016	Maksim Khashchuk

LM Start	1.95	Rating **	M	Issue No.	34 (cont)
LM End	1.95	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.561064 °	38.561064 °
				-121.417323 °	-121.417323 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:30124 DS_ID:24395 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: unable to confirm crossing--need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: 60-inch sewer main through the American River overflow area. Erosion protection and rock revetment on waterside (WS) slope added under Permit No. 14487 (1986). FS Date: 12/5/2013					

Photo 2 of 2 : UCIP_FA_2016_30124_55521.jpg



Rip rap used along waterward toe.

LM Start	1.96	Rating **	M	Issue No.	42
LM End	1.96	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.561119 °	38.561119 °
				-121.417581 °	-121.417581 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:46085 DS_ID:24649 EP_NO: 12188 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: unable to confirm crossing--need to contact owner to determine specifics and status of crossing. FIELD_STRUCT_DESC: 60-inch steel sewer main under the levee, approximately 21.6 feet below the crown. Two concrete cutoff walls around pipe under each shoulder. (Permit No. 12188-1979) Erosion protection and rock revetment on waterside (WS) slope added under Permit No. 14487 (1986). FS Date: 12/5/2013					

Photo 1 of 2 : UCIP_FA_2016_46085_54713.jpg



View of waterward berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 American River	Right	4.20	10/21/2016 10/26/2016	Maksim Khashchuk

LM Start	1.96	Rating **	M	Issue No.	42 (cont)
LM End	1.96	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.561119 °	38.561119 °
				-121.417581 °	-121.417581 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:46085 DS_ID:24649 EP_NO: 12188 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: unable to confirm crossing--need to contact owner to determine specifics and status of crossing. FIELD_STRUCT_DESC: 60-inch steel sewer main under the levee, approximately 21.6 feet below the crown. Two concrete cutoff walls around pipe under each shoulder. (Permit No. 12188-1979) Erosion protection and rock revetment on waterside (WS) slope added under Permit No. 14487 (1986). FS Date: 12/5/2013					

Photo 2 of 2 : UCIP_FA_2016_46085_54712.jpg



View of waterward edge--rip rap used to armor toe.

LM Start	2.51	Rating **	M	Issue No.	38
LM End	2.51	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.568767 °	38.568767 °
				-121.421178 °	-121.421178 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31309					
DS_ID:24515					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Unable to confirm crossing. will need to contact owner to determine specifics and status of crossing.					
FIELD_STRUCT_DESC: 36-inch corrugated metal (CM) pipe through the levee. Riser unit on waterside (WS). (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 365+14).					
FS Date: 12/5/2013					

Photo 1 of 2 : UCIP_FA_2016_31309_57338.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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American River Flood Control District

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 American River	Right	4.20	10/21/2016 10/26/2016	Maksim Khashchuk

LM Start	3.19	Rating **	U	Issue No.	1
LM End	3.27	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.578258 °	38.579363 °
				-121.418475 °	-121.418100 °
DWR ID	DWR_NA0001_09_s_2012_1				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0001_60_1_20160914_00001.jpg



View of the fence at the landside levee toe.

LM Start	3.30	Rating **	M	Issue No.	24
LM End	3.30	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.579851 °	38.579851 °
				-121.417896 °	-121.417896 °
DWR ID	DWR_NA0001_09_f_2015_24				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Vine on the LS fence blocking visibility.					

Photo 1 of 1 : FA_2016_NA0001_60_24_20160914_00005.jpg



View of the vines on the fence at the landside levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 American River	Right	4.20	10/21/2016 10/26/2016	Maksim Khashchuk

LM Start	3.32	Rating **	M	Issue No.	35
LM End	3.32	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.580094 °	38.580094 °
				-121.417821 °	-121.417821 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:30125 DS_ID:24412 EP_NO: 17671 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: unable to confirm if manhole is part of this crossing-- need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: 1 of 2: 60-inch sewer main under the levee. Connects to 60-inch main on landside (LS). (Permit No. 17671-2003) FS Date: 12/5/2013					

LM Start	3.32	Rating **	M	Issue No.	35 (cont)
LM End	3.32	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_30125_55526.jpg



View of waterward side.

Photo 2 of 2 : UCIP_FA_2016_30125_55528.jpg



Underground service alert (USA) paint found on bike path on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 American River	Right	4.20	10/21/2016 10/26/2016	Maksim Khashchuk

LM Start	3.34	Rating **	M	Issue No.	33
LM End	3.34	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.580347 °	38.580347 °
				-121.417734 °	-121.417734 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:29633 DS_ID:24404 EP_NO: 12188 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: unable to confirm if crossing is still active--need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: 60-inch concrete encased steel sewer line through the levee, 17.0 feet below the crown. Cutoff wall around pipe at the center of the levee. Rock revetment on waterside (WS) slope. Three pressure manholes in overflow area along pipe path. (Permit No. 12188-1979) FS Date: 12/5/2013					

LM Start	3.34	Rating **	M	Issue No.	33 (cont)
LM End	3.34	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_29633_54791.jpg



View of landward side.

Photo 2 of 2 : UCIP_FA_2016_29633_54790.jpg



Underground service alert (USA) markings still present on levee crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 American River	Right	4.20	10/21/2016 10/26/2016	Maksim Khashchuk

LM Start	3.34	Rating **	M	Issue No.	41
LM End	3.34	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.580435 °	38.580435 °
				-121.417711 °	-121.417711 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:41437
DS_ID:24566
EP_NO: 17671
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: Need to confirm location with owner.
FIELD_STRUCT_DESC: 2 of 2: 60-inch sewer main under the levee.
Connects to 60-inch main on landside (LS). (Permit No. 17671-2003)
FS Date: 12/5/2013

LM Start	3.34	Rating **	M	Issue No.	41 (cont)
LM End	3.34	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_41437_55532.jpg



Overview of landward side.

Photo 2 of 2 : UCIP_FA_2016_41437_55531.jpg



Underground service alert (USA) markings found on levee crown for 60-inch pipe.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 American River	Right	4.20	10/21/2016 10/26/2016	Maksim Khashchuk

LM Start	3.42	Rating **	M	Issue No.	39
LM End	3.42	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.581572 °	38.581572 °
				-121.417819 °	-121.417819 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:30684
DS_ID:24816
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: unable to determine if crossing goes through levee.
Need to obtain additional information to confirm crossing.
FIELD_STRUCT_DESC: Water fountain found on waterside (WS).
FS Date: 12/5/2013

LM Start	3.42	Rating **	M	Issue No.	39 (cont)
LM End	3.42	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_30684_56473.jpg



View of landward side.

Photo 2 of 2 : UCIP_FA_2016_30684_56472.jpg



View of waterward side.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 American River	Right	4.20	10/21/2016 10/26/2016	Maksim Khashchuk

LM Start	3.68	Rating **	M	Issue No.	40
LM End	3.68	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.584344 °	38.584344 °
				-121.420968 °	-121.420968 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31304 DS_ID:24817 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to confirm crossing size--need additional information about crossing. FIELD_STRUCT_DESC: 1 of 2: Crossing through levee at unknown depth. Concrete structure (7x15-foot) located on waterside (WS) shoulder with slide gate inside manhole. Square flap gate located on WS end. Concrete wings and apron at WS end of outlet channel. Concrete box located on the WS shoulder fenced off. FS Date: 12/5/2013					

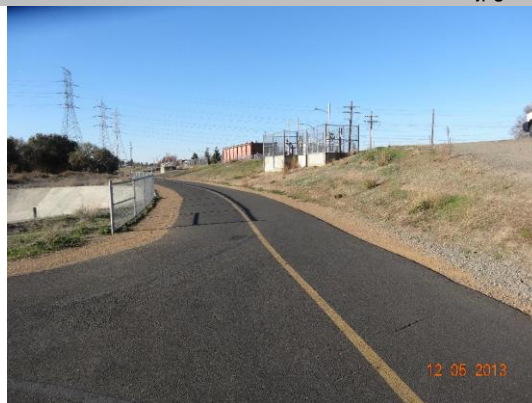
LM Start	3.68	Rating **	M	Issue No.	40 (cont)
LM End	3.68	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_31304_57325.jpg



Concrete box and electrical box located on waterward shoulder.

Photo 2 of 2 : UCIP_FA_2016_31304_57320.jpg



Bike path located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 American River	Right	4.20	10/21/2016 10/26/2016	Maksim Khashchuk

LM Start	3.69	Rating **	M	Issue No.	36
LM End	3.69	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.584355 °	38.584355 °
				-121.420989 °	-121.420989 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31306 DS_ID:24818 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to confirm pipe size--need additional information about crossing. FIELD_STRUCT_DESC: 2 of 2: Crossing through levee at unknown depth. Concrete structure (7x15-foot) located on waterside (WS) shoulder with slide gate inside manhole. Square flap gate located on WS end. Concrete wings and apron at WS end of outlet channel. Concrete box located on the WS shoulder fenced off. No permit was found for this crossing. FS Date: 12/5/2013					

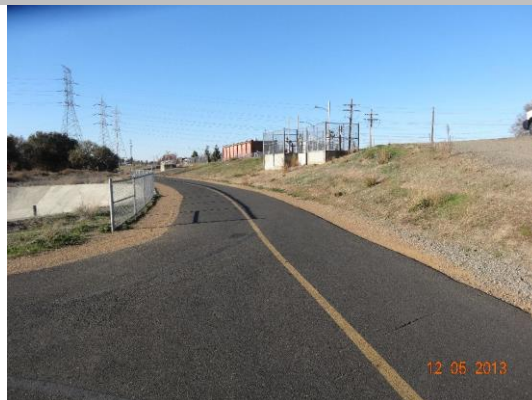
LM Start	3.69	Rating **	M	Issue No.	36 (cont)
LM End	3.69	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_31306_57333.jpg



Concrete box and electrical boxes located on waterward shoulder.

Photo 2 of 2 : UCIP_FA_2016_31306_57328.jpg



Bike path located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 American River	Right	4.20	10/21/2016 10/26/2016	Maksim Khashchuk

LM Start	3.72	Rating **	M	Issue No.	37
LM End	3.72	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.584710 °	38.584710 °
				-121.421496 °	-121.421496 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31307					
DS_ID:24819					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Unable to confirm is pipe crosses levee--no permit available.					
FIELD_STRUCT_DESC: Service box located on waterside (WS) and landside (LS). Unable to confirm crossing exists through levee. No permit found for this potential crossing.					
FS Date: 12/5/2013					

LM Start	3.72	Rating **	M	Issue No.	37 (cont)
LM End	3.72	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_31307_57335.jpg



View of concrete service box located on waterward shoulder.

Photo 2 of 2 : UCIP_FA_2016_31307_57334.jpg



Concrete box located inside fenced area located on landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2016 Levee Inspection Results

American River Flood Control District

Waterway			Bank	Unit Miles
Unit No. 10 American River			Right	3.90
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	3/1/2016 - 3/1/2016		10/26/2016 - 10/26/2016	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By	Richard Marck ARFCD		Richard Marck ARFCD	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 American River	Right	3.90	10/26/2016 10/26/2016	Maksim Khashchuk

LM Start		Rating **	M	Issue No.	130
LM End		Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.583771 °	38.583771 °	
			-121.340135 °	-121.340135 °	
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:49898 DS_ID:25448 EP_NO: 4777-A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 1-1/2 inch PVC natural gas service line sleeved through existing 2-1/2 inch steel pipe through levee. (Permit No. 4777-A-1974, 4777-1964, Sacramento County Department of Public Works, Water Quality Division) Permit No. 4777 was issued for original 2-1/2 inch line and Permit No. 4777-A was issued for the 1-1/2 inch PVC liner. Contact: Sacramento Regional Office 875-9400; Oscar Starks (Supervisor) 916-204-5143; Troy Shurock 916-599-2413. FS Date: 4/1/2016					

No Photos

LM Start		Rating **	M	Issue No.	131
LM End		Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.583728 °	38.583728 °	
			-121.340178 °	-121.340178 °	
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50053 DS_ID:25449 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: FIELD_STRUCT_DESC: 3-inch diameter plastic vynal conduit chlorine line sleeved through steel pipe through the right bank of the levee 2 feet below crown. (Permit No. 4535-1964, Northeast Sacramento County Sanitation District) Contact: Sacramento Regional Office 875-9400; Oscar Starks (Supervisor) 916-204-5143; Troy Shurock 916-599-2413. FS Date: 4/1/2016					

Photo 1 of 2 : UCIP_FA_2016_50053_75902.jpg



WS View - underground service alert (USA) markings indicating pipe alignment.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 American River	Right	3.90	10/26/2016 10/26/2016	Maksim Khashchuk

LM Start		Rating **	M	Issue No.	131 (cont)	
LM End		Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.583728 °	38.583728 °	
				-121.340178 °	-121.340178 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:50053						
DS_ID:25449						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 3-inch diameter plastic vynal conduit chlorine line sleeved through steel pipe through the right bank of the levee 2 feet below crown. (Permit No. 4535-1964, Northeast Sacramento County Sanitation District) Contact: Sacramento Reginal Office 875-9400; Oscar Starks (Supervisor) 916-204-5143; Troy Shurock 916-599-2413.						
FS Date: 4/1/2016						

Photo 2 of 2 : UCIP_FA_2016_50053_75903.jpg



USA markings indicate 2.5-inch steel line.

LM Start	0.00	Rating **	M	Issue No.	123
LM End	0.00	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.999999 °	38.999999 °
				-121.999999 °	-121.999999 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:30571					
DS_ID:24470					
EP_NO: 3063					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments:					
FIELD_STRUCT_DESC: * DELETE (Duplicate Entry).					
FS Date: 12/4/2013					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 American River	Right	3.90	10/26/2016 10/26/2016	Maksim Khashchuk

LM Start	0.00	Rating **	U	Issue No.	16
LM End	0.62	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.600917 °	38.592184 °
				-121.332100 °	-121.334347 °
DWR ID	DWR_NA0001_10_s_2012_16				
Comment Code					
UR : Urban					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0001_61_16_20160914_00004.jpg



Levee encroached on by property owners north of Arden Way. This section is not reasonably accessible.

LM Start	0.62	Rating **	M	Issue No.	122
LM End	0.62	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.592105 °	38.592105 °
				-121.334423 °	-121.334423 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31450					
DS_ID:24820					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Unable to determine alignment of crossing, does it cross levee? Permit?					
FIELD_STRUCT_DESC: Protective posts located on landside (LS) for what appears to be for gas/petroleum line. Unable to confirm if line goes through levee or if line runs parallel. No permit found.					
FS Date: 12/4/2013					

Photo 1 of 2 : UCIP_FA_2016_31450_57501.jpg



View of protective posts located on landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 American River	Right	3.90	10/26/2016 10/26/2016	Maksim Khashchuk

LM Start	0.62	Rating **	M	Issue No.	122 (cont)	
LM End	0.62	Issue Type +	En	Location *	CR	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.592105 °	38.592105 °	
				-121.334423 °	-121.334423 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:31450						
DS_ID:24820						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Unable to determine alignment of crossing, does it cross levee? Permit?						
FIELD_STRUCT_DESC: Protective posts located on landside (LS) for what appears to be for gas/petroleum line. Unable to confirm if line goes through levee or if line runs parallel. No permit found.						
FS Date: 12/4/2013						

Photo 2 of 2 : UCIP_FA_2016_31450_57500.jpg



No signs of crossing on waterward side.

LM Start	0.72	Rating **	M	Issue No.	118
LM End	0.72	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.591003 °	38.591003 °
				-121.335459 °	-121.335459 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:26281 DS_ID:24464 EP_NO: 12725 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to confirm if this crossing is the same under permit 12725. Drinking fountain and water flow prevention located on waterward side. Need to coordinate with American River Flood Control District. FIELD_STRUCT_DESC: 6-inch steel water pipe through the levee, 2.5 feet below the crown. Arcade Water District well at landside (LS) toe. (Permit No. 12725-1980) FS Date: 12/4/2013					

Photo 1 of 2 : UCIP_FA_2016_26281_47492.jpg



View of waterward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 American River	Right	3.90	10/26/2016 10/26/2016	Maksim Khashchuk

LM Start	0.72	Rating **	M	Issue No.	118 (cont)	
LM End	0.72	Issue Type +	En	Location *	CR	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.591003 °		38.591003 °
				-121.335459 °		-121.335459 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:26281 DS_ID:24464 EP_NO: 12725 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to confirm if this crossing is the same under permit 12725. Drinking fountain and water flow prevention located on waterward side. Need to coordinate with American River Flood Control District. FIELD_STRUCT_DESC: 6-inch steel water pipe through the levee, 2.5 feet below the crown. Arcade Water District well at landside (LS) toe. (Permit No. 12725-1980) FS Date: 12/4/2013						

Photo 2 of 2 : UCIP_FA_2016_26281_47493.jpg



View of faucet located on waterward side.

LM Start	0.94	Rating **	M	Issue No.	129
LM End	0.94	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.587989 °	38.587989 °
				-121.336773 °	-121.336773 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41550 DS_ID:24413 EP_NO: 2806 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine status of crossing--Need to coordinate with utility owner. FIELD_STRUCT_DESC: 30-inch corrugated metal (CM) pipe through the levee, 15.0 feet below the crown. Cutoff wall around pipe under landside (LS) shoulder. Flap gate and slide gate in concrete pipe well on the waterside (WS) shoulder. Large drain canal cut across the WS berm. (Permit No. 2806-1958) FS Date: 12/4/2013					

Photo 1 of 2 : UCIP_FA_2016_41550_47496.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 American River	Right	3.90	10/26/2016 10/26/2016	Maksim Khashchuk

LM Start	0.94	Rating **	M	Issue No.	129 (cont)
LM End	0.94	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.587989 °	38.587989 °
				-121.336773 °	-121.336773 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41550 DS_ID:24413 EP_NO: 2806 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine status of crossing--Need to coordinate with utility owner. FIELD_STRUCT_DESC: 30-inch corrugated metal (CM) pipe through the levee, 15.0 feet below the crown. Cutoff wall around pipe under landside (LS) shoulder. Flap gate and slide gate in concrete pipe well on the waterside (WS) shoulder. Large drain canal cut across the WS berm. (Permit No. 2806-1958) FS Date: 12/4/2013					

Photo 2 of 2 : UCIP_FA_2016_41550_47495.jpg



View of gate stem located on waterward shoulder.

LM Start	1.04	Rating **	M	Issue No.	125
LM End	1.04	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.586813 °	38.586813 °
				-121.337643 °	-121.337643 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31284 DS_ID:24821 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to determine reason for box and whether there is a utility that crosses levee. No permit found. FIELD_STRUCT_DESC: Service box located on waterside (WS). No permit found. FS Date: 12/4/2013					

Photo 1 of 2 : UCIP_FA_2016_31284_57285.jpg



Overview of levee crown at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 American River	Right	3.90	10/26/2016 10/26/2016	Maksim Khashchuk

LM Start	1.04	Rating **	M	Issue No.	125 (cont)	
LM End	1.04	Issue Type +	En	Location *	CR	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.586813 °	38.586813 °	
				-121.337643 °	-121.337643 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:31284 DS_ID:24821 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to determine reason for box and whether there is a utility that crosses levee. No permit found. FIELD_STRUCT_DESC: Service box located on waterside (WS). No permit found. FS Date: 12/4/2013						

Photo 2 of 2 : UCIP_FA_2016_31284_57286.jpg



Concrete vault located on waterward side.

LM Start	1.28	Rating **	M	Issue No.	126
LM End	1.28	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.583873 °	38.583873 °
				-121.340037 °	-121.340037 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41536					
DS_ID:24097					
EP_NO: 12276					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Unable to find markers indicating crossing through levee.					
FIELD_STRUCT_DESC: Two 3-inch PVC electrical conduits through the levee, 3.0 feet below the crown. Northeast Sewage Treatment Plant on waterside (WS). Conduits extend from treatment plant to transformers located on WS. (Permit No. 12276-1980)					
FS Date: 12/4/2013					

Photo 1 of 2 : UCIP_FA_2016_41536_47550.jpg



Overview of levee looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 American River	Right	3.90	10/26/2016 10/26/2016	Maksim Khashchuk

LM Start	1.28	Rating **	M	Issue No.	126 (cont)	
LM End	1.28	Issue Type +	En	Location *	CR	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.583873 °	38.583873 °	
				-121.340037 °	-121.340037 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:41536						
DS_ID:24097						
EP_NO: 12276						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Unable to find markers indicating crossing through levee.						
FIELD_STRUCT_DESC: Two 3-inch PVC electrical conduits through the levee, 3.0 feet below the crown. Northeast Sewage Treatment Plant on waterside (WS). Conduits extend from treatment plant to transformers located on WS. (Permit No. 12276-1980)						
FS Date: 12/4/2013						

Photo 2 of 2 : UCIP_FA_2016_41536_47549.jpg



View of transformers located on waterward side.

LM Start	1.28	Rating **	M	Issue No.	121
LM End	1.28	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.583873 °	38.583873 °
				-121.340037 °	-121.340037 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:26299 DS_ID:24477 EP_NO: 7993 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to confirm if crossing buried is the same as this crossing. Need to contact owner to confirm utility description. FIELD_STRUCT_DESC: 6-inch plastic lined steel pipe through the levee at unknown depth. Steel cutoff wall around pipe at center of levee. (Permit No. 7993-1973) FS Date: 12/4/2013					

Photo 1 of 2 : UCIP_FA_2016_26299_47575.jpg



Overview of levee crown looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 American River	Right	3.90	10/26/2016 10/26/2016	Maksim Khashchuk

LM Start	1.28	Rating **	M	Issue No.	121 (cont)
LM End	1.28	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.583873 °	38.583873 °
				-121.340037 °	-121.340037 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:26299 DS_ID:24477 EP_NO: 7993 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to confirm if crossing buried is the same as this crossing. Need to contact owner to confirm utility description. FIELD_STRUCT_DESC: 6-inch plastic lined steel pipe through the levee at unknown depth. Steel cutoff wall around pipe at center of levee. (Permit No. 7993-1973) FS Date: 12/4/2013					

Photo 2 of 2 : UCIP_FA_2016_26299_47574.jpg



View of waterward side--Underground Alert System markers showing alignment.

LM Start	1.28	Rating **	M	Issue No.	119
LM End	1.28	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.583780 °	38.583780 °
				-121.340126 °	-121.340126 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:26296 DS_ID:24568 EP_NO: 3599B Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to determine status of structure-unable to determine if crossing is being used. Only indicator visible during inspection was the underground alert service markers and spray paint visible on the levee crown. FIELD_STRUCT_DESC: 1 of 3: [River Walkway Station] 12-inch concrete encased pipe through the levee, 15.3 feet below the crown. Two cutoff walls around pipe in line with each shoulder. Slide gate in concrete gate structure at landside (LS) toe-not found 2013. Sewage treatment plant on waterside (WS). Control valve in concrete box on the WS. (Permit No. 3599B-1964) Contact: Sacramento Regional Office 875-9400; Oscar Starks (Supervisor) 916-204-5143; Troy Shurock 916-599-2413. FS Date: 12/4/2013					

Photo 1 of 2 : UCIP_FA_2016_26296_47558.jpg



Overview of levee crown looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 American River	Right	3.90	10/26/2016 10/26/2016	Maksim Khashchuk

LM Start	1.28	Rating **	M	Issue No.	119 (cont)
LM End	1.28	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.583780 °	38.583780 °
				-121.340126 °	-121.340126 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:26296 DS_ID:24568 EP_NO: 3599B Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to determine status of structure-unable to determine if crossing is being used. Only indicator visible during inspection was the underground alert service markers and spray paint visible on the levee crown. FIELD_STRUCT_DESC: 1 of 3: [River Walkway Station] 12-inch concrete encased pipe through the levee, 15.3 feet below the crown. Two cutoff walls around pipe in line with each shoulder. Slide gate in concrete gate structure at landside (LS) toe-not found 2013. Sewage treatement plant on waterside (WS). Control valve in concrete box on the WS. (Permit No. 3599B-1964) Contact: Sacramento Reginal Offic e 875-9400; Oscar Starks (Supervisor) 916-204-5143; Troy Shurock 916-599-2413. FS Date: 12/4/2013					

Photo 2 of 2 : UCIP_FA_2016_26296_47559.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 American River	Right	3.90	10/26/2016 10/26/2016	Maksim Khashchuk

LM Start	1.29	Rating **	M	Issue No.	120
LM End	1.29	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.583750 °	38.583750 °
				-121.340143 °	-121.340143 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:26298 DS_ID:24567 EP_NO: 3599A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine status of structure. Need to coordinate with owner to determine maintenance records to confirm integrity. FIELD_STRUCT_DESC: 2 of 3: [River Walkway Station] 36-inch concrete encased pipe through the levee, 6.9 feet below the crown. Two cutoff walls around pipe in line with each shoulder. Slide gate in concrete gate structure at landside (LS) toe. Sewage treatment plant on waterside (WS). Control valve in concrete box on the WS. (Permit No. 3599A-1964) Contact: Sacramento Regional Office 875-9400; Oscar Starks (Supervisor) 916-204-5143; Troy Shurock 916-599-2413. FS Date: 12/4/2013					

Photo 1 of 2 : UCIP_FA_2016_26298_47569.jpg



Overview of levee crown.

LM Start	1.29	Rating **	M	Issue No.	120 (cont)
LM End	1.29	Issue Type +	En	Location *	CR

Photo 2 of 2 : UCIP_FA_2016_26298_47571.jpg



USA markers indicate alignment through levee crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 American River	Right	3.90	10/26/2016 10/26/2016	Maksim Khashchuk

LM Start	1.29	Rating **	M	Issue No.	117
LM End	1.29	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.583738 °	38.583738 °
				-121.340161 °	-121.340161 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:26426 DS_ID:24098 EP_NO: 3599 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to determine status of structure--unable to determine if crossing is still being used. Underground service alert (USA) flag indicates 60 inch pipe through levee. Need to clarify. FIELD_STRUCT_DESC: 3 of 3: [River Walkway Station] 54-inch concrete encased pipe through the levee, 8.5 feet below the crown. Two cutoff walls around pipe in line with each shoulder. Slide gate in concrete gate structure at landside (LS) toe. Sewage treatment plant on waterside (WS). Control valve in concrete box on the WS. (Permit No. 3599-1964) Contact: Sacramento Reginal Office 875-9400; Oscar Starks (Supervisor) 916-204-5143; Troy Shurock 916-599-2413. FS Date: 12/4/2013					

Photo 1 of 2 : UCIP_FA_2016_26426_47982.jpg



Overview of levee crown looking downstream.

LM Start	1.29	Rating **	M	Issue No.	117 (cont)
LM End	1.29	Issue Type +	En	Location *	CR

Photo 2 of 2 : UCIP_FA_2016_26426_47980.jpg



View of Underground Service Alert (USA) markers and flags confirming buried sewer lines.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 American River	Right	3.90	10/26/2016 10/26/2016	Maksim Khashchuk

LM Start	1.53	Rating **	M	Issue No.	128
LM End	1.53	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.581594 °	38.581594 °
				-121.343622 °	-121.343622 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:41548
DS_ID:24419
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Need to find out the status of crossing--unable to determine if crossing is being used.
FIELD_STRUCT_DESC: 24-inch pipe through the levee, 7.0 feet below the crown. Concrete inspection box at waterside (WS) toe.
FS Date: 12/4/2013

LM Start	1.53	Rating **	M	Issue No.	128 (cont)
LM End	1.53	Issue Type +	En	Location *	CR

Photo 1 of 2 : UCIP_FA_2016_41548_54880.jpg



Structure located on landward side.

Photo 2 of 2 : UCIP_FA_2016_41548_54881.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 American River	Right	3.90	10/26/2016 10/26/2016	Maksim Khashchuk

LM Start	1.53	Rating **	M	Issue No.	127
LM End	1.53	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.581588 °	38.581588 °
				-121.343631 °	-121.343631 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41546					
DS_ID:24101					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to determine the status of crossing--unable to determine if crossing is still active.					
FIELD_STRUCT_DESC: 8-inch pipe through the levee. Concrete inspection box on the landside (LS) slope.					
FS Date: 12/4/2013					

Photo 1 of 2 : UCIP_FA_2016_41546_57290.jpg



Structure located on waterward side.

LM Start	1.53	Rating **	M	Issue No.	127 (cont)
LM End	1.53	Issue Type +	En	Location *	CR

Photo 2 of 2 : UCIP_FA_2016_41546_57289.jpg



View of landward side--chlorine line adjacent to 8-inch pipe.

*** Location**

LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 American River	Right	3.90	10/26/2016 10/26/2016	Maksim Khashchuk

LM Start	1.61	Rating **	M	Issue No.	124
LM End	1.61	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.580991 °	38.580991 °
				-121.344917 °	-121.344917 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:30575
DS_ID:24822
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: 2nd marker visible on landward side at levee mile 1.63 (38.581564 -121.343806).
FIELD_STRUCT_DESC: Marker indicating water line located on landside (LS) toe. Unable to determine if line runs parallel to levee or if line crosses levee. Unable to find permit for work.
FS Date: 12/4/2013

LM Start	1.61	Rating **	M	Issue No.	124 (cont)
LM End	1.61	Issue Type +	En	Location *	CR

Photo 1 of 2 : UCIP_FA_2016_30575_56338.jpg



Waterline marker at levee mile 1.63.

Photo 2 of 2 : UCIP_FA_2016_30575_56337.jpg



Waterline marker at levee mile 1.7.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 American River	Right	3.90	10/26/2016 10/26/2016	Maksim Khashchuk

LM Start	2.41	Rating **	A/W	Issue No.	7
LM End	2.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.575126 °	38.575126 °
				-121.357575 °	-121.357575 °
DWR ID	DWR_NA0001_10_f_2013_7				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0001_61_7_20160914_00003.jpg



View of the pathway on the landside levee slope.

LM Start	3.49	Rating **	A/W	Issue No.	21
LM End	3.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.569484 °	38.569484 °
				-121.375841 °	-121.375841 °
DWR ID	DWR_NA0001_10_f_2015_21				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0001_61_21_20160914_00005.jpg



View of the footpath on the landside levee slope.

LM Start	3.74	Rating **	A/W	Issue No.	116
LM End	3.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.568526 °	38.568526 °
				-121.380331 °	-121.380331 °
DWR ID	DWR_NA0001_10_s_2012_116				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Foot traffic is eroding the landside slope.					

Photo 1 of 1 : FA_2016_NA0001_61_116_20160914_00008.jpg



View of the erosion on the landside levee slope caused by pedestrian foot traffic.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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American River Flood Control District

No Photos

View of the landscaping irrigation at the landside levee toe.

View of the tree stump at the landside levee toe.

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 American River	Right	3.90	10/26/2016 10/26/2016	Maksim Khashchuk

LM Start	3.83	Rating **	N	Issue No.	23
LM End	3.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.568111 °	38.568111 °
				-121.381896 °	-121.381896 °
DWR ID	DWR_NA0001_10_s_2015_23				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0001_61_23_20160914_00006.jpg



View of the tree stump at the landside levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2016 Levee Inspection Results

American River Flood Control District

Waterway			Bank	Unit Miles
Unit No. 11 New Linda Creek			Left	0.73
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	2/29/2016 - 2/29/2016		10/21/2016 - 10/21/2016	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By	Richard Marck ARFCD		Richard Marck ARFCD	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 New Linda Creek	Left	0.73	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	0.08	Rating **	M	Issue No.	6
LM End	0.08	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.662976 °	38.662976 °
				-121.456464 °	-121.456464 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:31310
DS_ID:24823
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: no permit found--owner? (unauthorized?)
FIELD_STRUCT_DESC: 24-inch pipe through the levee at unknown depth. Concrete box located on waterside (WS) shoulder. Concrete wall located on waterside (WS) and landside (LS). Siphon breaker inside concrete service box located on WS shoulder. No permit found.
FS Date: 12/20/2013

LM Start	0.08	Rating **	M	Issue No.	6 (cont)
LM End	0.08	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_31310_57345.jpg



View of waterward side.

Photo 2 of 2 : UCIP_FA_2016_31310_57342.jpg



View of levee crown at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 New Linda Creek	Left	0.73	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	0.46	Rating **	A	Issue No.	5
LM End	0.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.666500 °	38.667916 °
				-121.451420 °	-121.448362 °
DWR ID	DWR_NA0001_11_f_2016_5				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Acceptable vegetation control.					

Photo 1 of 1 : FA_2016_NA0001_436_5_20161031_00009.jpg



View of the vegetation on the landside levee slope.

LM Start	0.48	Rating **	M	Issue No.	7
LM End	0.48	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.666585 °	38.666585 °
				-121.451009 °	-121.451009 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31311					
DS_ID:24824					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: owner? permit? (unauthorized?)					
FIELD_STRUCT_DESC: 6 inch conduit through levee at unknown					
depth. Conduit extends across the channel, attached to bridge.					
FS Date: 12/20/2013					

Photo 1 of 1 : UCIP_FA_2016_31311_57346.jpg



Crossing visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 New Linda Creek	Left	0.73	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	0.49	Rating **	M	Issue No.	8
LM End	0.49	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.666745 °	38.666745 °
				-121.450918 °	-121.450918 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31312					
DS_ID:24825					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: owner? permit? (unauthorized?)					
FIELD_STRUCT_DESC: 4 inch conduit through levee at unknown					
depth. Conduit extends across the channel, attached to bridge.					
FS Date: 12/20/2013					

Photo 1 of 1 : UCIP_FA_2016_31312_57347.jpg



Conduit attached to the upstream face of Rio Linda Blvd Bridge.

LM Start	0.52	Rating **	M	Issue No.	9
LM End	0.52	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.667108 °	38.667108 °
				-121.450827 °	-121.450827 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31313					
DS_ID:24826					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: owner? permit? (unauthorized?)					
FIELD_STRUCT_DESC: 24-inch (estimate only field verify) storm drain pipe through levee at an unknow depth. Concrete headwalls with debris screens located on waterside (WS) and landside (LS). Concrete box with protective posts located on WS shoulder. No permit found.					
FS Date: 12/20/2013					

Photo 1 of 2 : UCIP_FA_2016_31313_57349.jpg



View of levee crown at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 New Linda Creek	Left	0.73	10/21/2016 10/21/2016	Maksim Khashchuk

LM Start	0.52	Rating **	M	Issue No.	9 (cont)	
LM End	0.52	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.667108 °	38.667108 °	
				-121.450827 °	-121.450827 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:31313 DS_ID:24826 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: owner? permit? (unauthorized?) FIELD_STRUCT_DESC: 24-inch (estimate only field verify) storm drain pipe through levee at an unknow depth. Concrete headwalls with debris screens located on waterside (WS) and landside (LS). Concrete box with protective posts located on WS shoulder. No permit found. FS Date: 12/20/2013						

Photo 2 of 2 : UCIP_FA_2016_31313_57348.jpg



Concrete vault with protective posts located on waterward shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2016 Levee Inspection Results

American River Flood Control District

Waterway			Bank	Unit Miles
Unit No. 12 American River			Left	0.84
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	3/2/2016 - 3/2/2016		10/26/2016 - 10/26/2016	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By	Richard Marck ARFCD		Richard Marck ARFCD	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

American River Flood Control District

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 American River	Left	0.84	10/26/2016 10/26/2016	Maksim Khashchuk

LM Start	0.56	Rating **	A/W	Issue No.	4
LM End	0.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.575370 °	38.575370 °
				-121.346583 °	-121.346583 °
DWR ID	DWR_NA0001_12_f_2015_4				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0001_438_4_20160914_00004.jpg



View of the footpath on the landside levee slope.

LM Start	0.72	Rating **	M	Issue No.	11
LM End	0.72	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.576589 °	38.576589 °
				-121.344058 °	-121.344058 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:46995 DS_ID:24830 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to confirm pipe size--need to contact owner to obtain additional information on crossing. FIELD_STRUCT_DESC: [SRCSD Facility N16 NE Siphon Outlet] 1 of 3: 48-inch reinforced concrete (RC) drainpipe through the levee at 11.0 feet below crown. Pipe crosses levee at an angle. Sacramento Regional County Sanitation District (SRCSD) Facility N16 NE Siphon Outlet located on landside (LS). Facility is fenced off. Inside facility are 3 concrete boxes with 3 manholes. (Permit No. 12144-1978, SRCSD and 12144-A-1983, SRCSD for cathodic protection) FS Date: 2/25/2014					

Photo 1 of 2 : UCIP_FA_2016_46995_56234.jpg



Concrete vault located on landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 American River	Left	0.84	10/26/2016 10/26/2016	Maksim Khashchuk

LM Start	0.72	Rating **	M	Issue No.	11 (cont)	
LM End	0.72	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.576589 °	38.576589 °	
				-121.344058 °	-121.344058 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:46995 DS_ID:24830 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to confirm pipe size--need to contact owner to obtain additional information on crossing. FIELD_STRUCT_DESC: [SRCSD Facility N16 NE Siphon Outlet] 1 of 3: 48-inch reinforced concrete (RC) drainpipe through the levee at 11.0 feet below crown. Pipe crosses levee at an angle. Sacramento Regional County Sanitation District (SRCSD) Facility N16 NE Siphon Outlet located on landside (LS). Facility is fenced off. Inside facility are 3 concrete boxes with 3 manholes. (Permit No. 12144-1978, SRCSD and 12144-A-1983, SRCSD for cathodic protection) FS Date: 2/25/2014						

Photo 2 of 2 : UCIP_FA_2016_46995_56235.jpg



SRCSD Facility N16, NE Siphon Outlet, sign visible from Mira Del Rio Drive.

LM Start	0.72	Rating **	M	Issue No.	9
LM End	0.72	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.576596 °	38.576596 °
				-121.344029 °	-121.344029 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:30540 DS_ID:24829 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to confirm pipe size--need to contact owner to obtain additional information on crossing. FIELD_STRUCT_DESC: [SRCSD Facility N16 NE Siphon Outlet] 2 of 3: 48-inch reinforced concrete (RC) drainpipe through the levee at 11.0 feet below crown. Pipe crosses levee at an angle. Sacramento Regional County Sanitation District (SRCSD) Facility N16 NE Siphon Outlet located on landside (LS). Facility is fenced off. Inside facility are 3 concrete boxes with 3 manholes. (Permit No. 12144-1978, SRCSD and 12144-A-1983, SRCSD for cathodic protection) FS Date: 2/25/2014					

Photo 1 of 2 : UCIP_FA_2016_30540_56232.jpg



SRCSD Facility N16, NE Siphon Outlet, sign visible from Mira Del Rio Drive.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 American River	Left	0.84	10/26/2016 10/26/2016	Maksim Khashchuk

LM Start	0.72	Rating **	M	Issue No.	9 (cont)	
LM End	0.72	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.576596 °	38.576596 °	
				-121.344029 °	-121.344029 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:30540 DS_ID:24829 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to confirm pipe size--need to contact owner to obtain additional information on crossing. FIELD_STRUCT_DESC: [SRCSD Facility N16 NE Siphon Outlet] 2 of 3: 48-inch reinforced concrete (RC) drainpipe through the levee at 11.0 feet below crown. Pipe crosses levee at an angle. Sacramento Regional County Sanitation District (SRCSD) Facility N16 NE Siphon Outlet located on landside (LS). Facility is fenced off. Inside facility are 3 concrete boxes with 3 manholes. (Permit No. 12144-1978, SRCSD and 12144-A-1983, SRCSD for cathodic protection) FS Date: 2/25/2014						

Photo 2 of 2 : UCIP_FA_2016_30540_56230.jpg



Manholes visible on landward side.

LM Start	0.72	Rating **	M	Issue No.	10
LM End	0.72	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.576600 °	38.576600 °
				-121.344008 °	-121.344008 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:46994 DS_ID:24828 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to confirm pipe size--need to contact owner to obtain additional information on crossing. FIELD_STRUCT_DESC: [SRCSD Facility N16 NE Siphon Outlet] 3 of 3: 48-inch reinforced concrete (RC) drainpipe through the levee at 11.0 feet below crown. Pipe crosses levee at an angle. Sacramento Regional County Sanitation District (SRCSD) Facility N16 NE Siphon Outlet located on landside (LS). Facility is fenced off. Inside facility are 3 concrete boxes with 3 manholes. (Permit No. 12144-1978, SRCSD and 12144-A-1983, SRCSD for cathodic protection) FS Date: 2/25/2014					

Photo 1 of 2 : UCIP_FA_2016_46994_56229.jpg



SRCSDS Facility N16, NE Siphon Outlet, sign visible from Mira Del Rio Drive.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 American River	Left	0.84	10/26/2016 10/26/2016	Maksim Khashchuk

LM Start	0.72	Rating **	M	Issue No.	10 (cont)
LM End	0.72	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.576600 °	38.576600 °
				-121.344008 °	-121.344008 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:46994 DS_ID:24828 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to confirm pipe size--need to contact owner to obtain additional information on crossing. FIELD_STRUCT_DESC: [SRCSD Facility N16 NE Siphon Outlet] 3 of 3: 48-inch reinforced concrete (RC) drainpipe through the levee at 11.0 feet below crown. Pipe crosses levee at an angle. Sacramento Regional County Sanitation District (SRCSD) Facility N16 NE Siphon Outlet located on landside (LS). Facility is fenced off. Inside facility are 3 concrete boxes with 3 manholes. (Permit No. 12144-1978, SRCSD and 12144-A-1983, SRCSD for cathodic protection) FS Date: 2/25/2014					

Photo 2 of 2 : UCIP_FA_2016_46994_56228.jpg



Concrete vault for 3 crossings located on landward side.

LM Start	0.73	Rating **	A/W	Issue No.	3
LM End	0.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.576663 °	38.576663 °
				-121.343805 °	-121.343805 °
DWR ID	DWR_NA0001_12_f_2015_3				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0001_438_3_20160914_00003.jpg



View of the footpath on the landside levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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